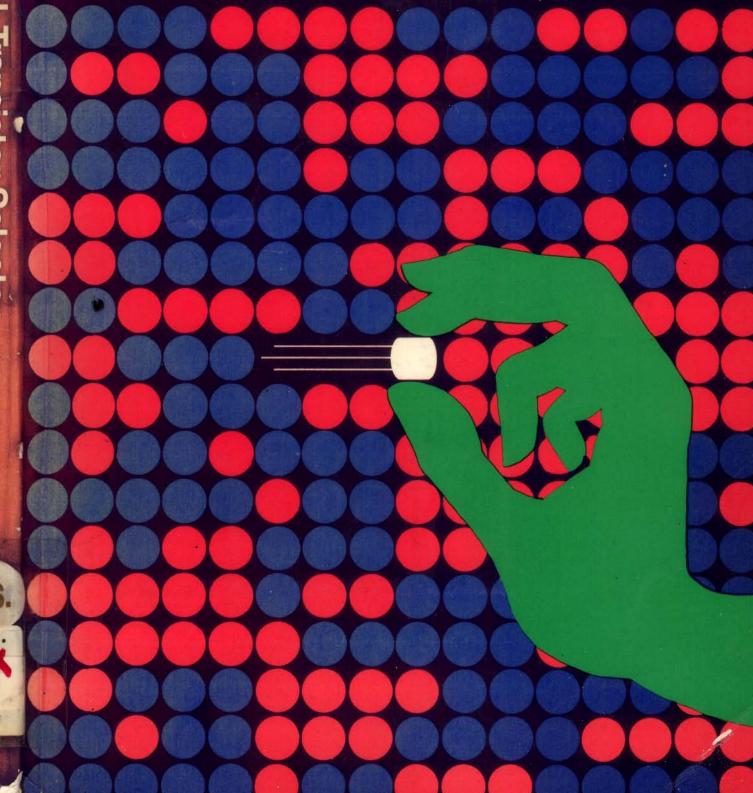
# Towers' International Transistor Selector

T D Towers, MBE, MA, BSc, C Eng, MIERE

Over 10,000 American, British, European and Japanese Transistors with Electrical and Mechanical Specifications, Manufacturers and Available Substitutes



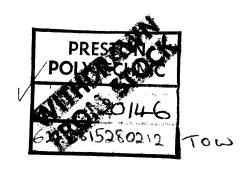
#### Towers' International Transistor Selector

Specification data for the identification, selection and substitution of transistors

by T D Towers, MBE, MA, BSc, C Eng, MIERE

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#### **Preface**

If you deal with transistors — whether as a student, a hobbyist, a circuit engineer, a buyer, a teacher or a serviceman — you often want data on a specific transistor of which you know only the type number.

Specifications apart, you may be even more interested in where you can get the device in question. And perhaps more important still (particularly with obsolete devices), you may want guidance on a readily available possible substitute.

This transistor compendium, a comprehensive tabulation of basic specification for over 10,000 transistors, offers information on:

- 1. Ratings
- 2. Characteristics
- 3. Case details
- 4 Terminal identifications
- 5. Applications use
- 6. Manufacturers
- 7. Substitution equivalents (both European and American)

The more than ten thousand transistors covered in this compendium are a selection of the more common current and widely-used obsolete types.

It is international in scope and covers transistors not only from the USA and Continental Europe, but also from the United Kingdom and the Far East (Japan).

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# An Introduction to the Transistor

Invented in 1948 at the Bell Telephone Laboratories in the USA, the transistor is a semiconductor amplifying device which has largely replaced the valve ('thermionic tube') in electronics.

There are several fundamentally different types of 'transistors', but to most people a transistor is of the 'bipolar junction' type. This is a three-lead device with special names for its terminals (input = 'base', output = 'collector' and common = 'emitter'). This compendium confines itself mainly to such transistors with only a few passing references to special 'non-transistor' three terminal devices such as fet's (unipolar or field effect transistors), phototransistors, thyristors (scr's), etc.

When you are considering a transistor type, the first thing is to confirm it is a junction type, and not for example an unobtainable early 'point contact' type or an fet.

Next you must identify whether it is 'npn' (using positive supply rail) or 'pnp' (using negative supply). Any replacement must be of the same polarity, i.e. npn or pnp.

Two semiconductor materials, germanium and silicon, are both in common use in transistor manufacture, although silicon is steadily replacing germanium. Leakage currents in germanium devices are orders of magnitude higher-than in silicon. As a result, it is prudent normally to replace germanium with germanium and silicon with silicon. However, skilled engineers can usually select a silicon (low leakage) device to substitute for an unobtainable germanium (high leakage) one. This does not usually work the other way round.

Many differently shaped cases have been developed over the years for transistors, and you will need to know details of the case outline in any transistor you are going to use. This compendium provides such details together with lead/ terminal identification diagrams.

The transistor is basically a low voltage device and it is important to check the permissible maximum voltages that can be applied to the various device terminals. This compendium gives ratings for collector-base, collector-emitter and emitter-base. The emitter-base rating, often overlooked in transistor listings, is important. In modern silicon transistors it is usually under 6V, whereas the older germanium types were much higher. Also, the higher the frequency-handling capability of the transistor, the lower the emitter voltage rating tends to be

Thermionic tubes had one big advantage over transistors. They could withstand substantial current overloads ('going blue') without catastrophic results. Transistors unfortunately are catastrophically sensitive to current overloads. It is important, therefore, to know the maximum permissible

collector current and ensure it is not exceeded under any circumstances.

The transistor is not so sensitive to heat overloads as to voltage or current. The junction heats up inside the transistor under load and manufacturers carefully specify maximum permissible junction temperature to guard against excessive degradation of device characteristics with time. Permissible maximum junction temperature for germanium lie in the region of 60–100°C and for silicon 125–200°C. This is useful in distinguishing silicon from germanium transistors.

For power dissipation, manufacturers specify either a 'free air' rating at  $25\,^{\circ}\text{C}$  for low power devices normally mounted by their leads only, or a 'case-rated' dissipation at  $25\,^{\circ}\text{C}$  case temperature for high power devices usually mounted on some form of fin or heat sink. Occasionally, however, the maximum dissipation is specified as attached to a heat sink at  $25\,^{\circ}\text{C}$  ambient temperature. It is important to realise that the permissible dissipation in use must be reduced, i.e. the device 'derated', as the ambient temperature rises above  $25\,^{\circ}\text{C}$ . For a device rated  $P_{\text{TOT}}$  at  $25\,^{\circ}\text{C}$  and with a maximum permissible junction temperature of  $T_{\text{j}}$ , the permissible dissipation at an elevated ambient temperature of  $T_{\text{a}}$  can be shown to be  $P^{1}_{\text{TOT}} = P_{\text{TOT}}$  ( $T_{\text{i}} - T_{\text{a}}$ )/( $T_{\text{j}} - 25$ ).

One of the most important characteristics of the transistor is its 'current gain' (also known as 'beta')  $H_{\text{FE}}$ , i.e. the ratio of the output (collector) current to the input (base) current. It is necessary to know the current gain not only to design the dc bias networks for the device but to compute the stage gain or amplification. Transistor beta changes rapidly with the level of standing collector bias current, but is relatively insensitive to standing bias voltage. This compendium therefore quotes the bias current at which the gain is measured.

Finally the high frequency characteristics of the device are important. The two that give the greatest measure of useful information are  $f_{\tau}$  (the frequency at which the current gain falls to unity) and  $C_{\rm ob}$  (the collector-to-base capacitance). Generally any replacement should be a device with similar  $f_{\tau}$  and  $C_{\rm ob}$ . For silicon it will be found that  $f_{\tau}$  tends to be 10 to 100 times higher than germanium.

The compendium tables give general application guidance on the use of each transistor by a special coding in a separate column

Additionally the tables offer in the last two columns possible UK and USA substitute standard devices. Substitution guidance given should be used with caution because special characteristics not recorded may make the suggested substitute unacceptable in some applications. You should get detailed specification of the proposed substitute from the manufacturer and consider them in relation to your own

application before committing yourself. The suggested substitutes can be taken only as general guide lines.

Over the years, manufacturers and standards associations have issued somewhere between 50,000 and 100,000 separate transistor type numbers. The vast majority of these were never widely used or are no longer used by designers.

Devices either have type numbers peculiar to individual manufacturers (see *Appendix D*) or conform to industry standard serial numbering systems (suppliable by more than one manufacturer).

The principal industry standard numbering systems are: (a) '2N' (The EIA in the USA maintains a register of '2N' types familiarly known as 'Jedec' types, which have had world wide acceptance. The most accessible detailed information on current '2N' types will be found in the 'Transistor Data Book' published annually with a half yearly supplement by Derivation and Tabulation Associates Inc (Data) of 32 Lincoln Avenue, Orange New Jersey, USA.

(b) 'Proelectron' (The Association Internationale Pro Electron in Europe maintains a register of Pro Electron types which have wide acceptance in Europe. All commercially available devices registered with the Pro Electron organisation are listed together with technical data and the names and addresses of suppliers in the annual edition of 'Semiconductors' published on behalf of Pro Electron by Ae. E. Kluwer, Santvoortbeeklaan 21-23, 2100, Deurne – Antwerp, Belgium. Transistors in the Pro Electron system are registered either under a two letter/three numeral code (e.g. BC107) for consumer devices, or a three letter/two numeral code (e.g. ACY17) for industrial devices. Device numbers starting with 'A' refer to germanium and 'B' to silicon. All second and third letter have applications significance as indicated in Appendix D hereto.)

(c) '2S' (In Japan, the JIS, Japanese Industrial Standards, system of transistor numbering is almost universal, there being very few housecode devices. In this system, all transistor numbers start with '2S' followed by a letter and several numbers (e.g. 2SB364). The letter after the 'S' has significance: A = pnp hf, B = pnp lf, C = npn hf, D = npn lf).

(d) **Old standards** (A standard now obsolete but still met with is the 'old European' where the transistor was registered as 'OC' of 'OD' followed by two or three numerals (e.g. OC28). A former UK Government standard gradually being phased out is the CV system. *Appendix E* gives a listing of such CV transistors. Many of these in the 7,000 part of the series will now be found transferred into the new British Standards Institution 'BS9000' system. Where items have been so transferred, the 'CV7' part of the number will have

been replaced by 'BS9300C'. Thus the CV7084 could now appear as BS9300C084.)

The transistors selected for inclusion in this compendium are listed in serial numero-alphabetical order in tables immediately following this introduction. The tables are designed as far as possible to be self explanatory. For readers to whom some of the nomenclature is strange there is in *Appendix A* an explanatory set of notes supplementing the tabulation. Besides detailed comments on the tables, Appendix A incorporates a ready reference chart of the tabular format and a glossary of terms used.

The transistor tables are also supported by:

Appendix B: Lead/terminal identification diagrams.

Appendix C: Case outline diagrams.

Appendix D: House Codes for individual manufacturers.

Appendix E: CV Transistors and related prototypes.

Appendix F: Manufacturer listings.

Every reasonable care has been taken to ensure accuracy of information in the tables, but no responsibility can be accepted for inaccuracies that may have arisen. The user who wishes fuller technical information on current devices should consult the data issued by the manufacturer.

## **Tabulations**

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2CY17 2CY18 2CY19 2CY20 2CY21	PG PG PG PG	T05 T05 T05 T05 T05	L04 L04 L04 L04 L04	70V 50V 50V 40V 40V		12V 12V 12V 12V 12V	500MA 500MA 500MA 500MA 500MA	100C 100C 100C	240MWF 240MWF 240MWF 240MWF	500K 750K	40 P 40 P 40 P	30/110 60/235 50/145	500MA 500MA 500MA 50MA 50MA	AMG AHG AMG	TIB TIB	ACY18 ACY19 ACY20		0 0 0 0
2CY22 2G101 2G102 2G103 2G104	PG PG PG PG	T05 T05 T05 T018 T018	L04 L04 L04 L01 L01	20 V 15 V 15 V 15 V 15 V	15V 15V 15V 15V	12V 1V 1V 2V 3V	500MA 20MA 20MA 50MA 50MA	100C 100C 100C	240MWF 100MWF 100MWF 300MWF 300MWF	180M 200M 200M	40P 5P 5P 5P 5P	20MN 20MN 20MN	500MA 2MA 2MA 10MA 10MA	AMG RLA RLA RLS RLS	TIB TIB	ASZ21 ASZ21 ASZ21	2N2273 2N2273 2N2273 2N2273 2N2273	0 0 0 0
2G106 2G110 2G210 2G220 2G221	PG PG PG PG	T018 T05 T03 T03	L01 L04 L05 L05 L05	18V 36V 60V 40V	15V 15V 60V 40V 60V	4V 2V 20V 30V 30V	100MA 50MA 6A 10A 10A	100C 100C 100J 100C 100C	150MWF 300MWF 75WH 80WH 80WH	100M	5P 5P	30MN 15MN 25/90 10MN 10MN	10MA 50MA 5A 10A 10A	R L A RL S AHA AHG AHG	T 18	ASZ21 ASZ15	2N990 2N2273 2N1533 2N1536 2N1533	0 0 0 0
2G222 2G223 2G224 2G225 2G226	PG PG PG PG	T03 T03 T03 T03	L05 L05 L05 L05 L05	80V 40V 60V 40V 40V	80V 40V 60V 40V 40V	30V 30V 30V 30V 30V	10A 15A 15A 15A 20A	100C 100C 100C 100C	8 C W H H W O 8 H W O 8 H W O 8	200K 200K		10 MN 10 MN 10 MN 10 MN 10 MN	10A 15A 15A 15A 20A	AHH AHG AHG AHG	TI8 TI8 TI8 TI8	AUY29 AUY29/ AUY29/	2N1533 2N1167 52N1167 52N1167 52N1167	00000
2G227 2G228 2G229 2G230 2G231	PG PG PG PG	T03 T03 T03 T03 T03	L05 L05 L05 L05 L05	60V 80V 40V 60V 80V	60V 80V 40V 60V 80V	30V 30V 30V 30V 30V	20A 20A 25A 25A 25A	100C 100C 100C 100C	HW08 HW08 HW08 HW08	200K 200K 200K 200K 200K		10MN 10MN 10MN 10MN 10MN	20A 20A 25A 25A 25A	AHG AHG AHG AHG APG	T 18 T 18 T 18 T 18	AUY29/ AUY29/ AUY29/	52N1167 52N1167 52N1167 52N1167 52N1167	00000
2G240 2G301 2G302 2G303 2G304	PG PG PG PG	T01A T01A T01A T01A	L05 L01 L01 L01 L01	80V 20V 20V 30V 30V	80V 20V 20V 30V 30V	1V 10V 10V 10V	3A 300MA 300MA 300MA 300MA	65C 100C 100C 100C 100C	25WH 200MWF 200MWF 200MWF 300MWF	7 M 3 M			500 MA 1 MA 1 MA 1 MA 1 MA	RPA RLS RLS RLA RLA	TIB TIE TIE TIB TIB	AL 103 OC 44N OC 44N OC 44N OC 44N	2N2147 2N2614 2N2614 2N2614 2N2614	00000
2G306 2G308 2G309 2G319 2G320	PG PG PG PG	TO1A TO1A TO1A TO5 TO5	L01 L01 L01 L04 L04	20V 20V 20V 30V 30V	20V 20V 20V 20V 20V	10V 10V 10V 3V 3V	300MA 300MA 300MA 200MA 200MA	100C 100C 100C 85C 85C	300MWF 300MWF 300MWF 225MWF 225MWF	12M 3 M 12 M 1 M	15P 15P 50P	90MN 40MN 120MN 20MN 30MN	1 M A 1 2 0 M A 1 2 0 M A 2 0 M A 2 0 M A	RLA RLS RLS ALA ALA	TIB TIB TAD	0C44N 0C44N 0C44N ACY17 ACY17	2N2614 2N2614 2N2614 2N1176 2N1176	0 0 0
2G321 2G322 2G323 2G324 2G344	PG PG PG PG	T05 T05 T05 T05 T01A	L04 L04 L04 L04 L02	30V 16V 16V 16V	20V 16V 16V 16V 15V	3V 3V 3V 3V 10V	200MA 100MA 100MA 100MA 100MA	85C 85C 85C 85C	225MWF 150MWF 150MWF 150MWF 150MWF	2M 1M 2M 2M 8M	50P 50P 50P	5 0 MN 2 5 MN 30 MN 5 0 MN 5 0 MN	20 MA 1 MA 1 MA 1 MA	ALA ALA ALA RLA	TAD TAD	ACY17 ACY17	2N1176 2N1176 2N1176 2N1176 2N2614	0 0 0
2G345 2G371 2G374 2G376 2G377	PG PG PG PG	TO1A TO1A TO1A TO1A	L02 L02 L02 L02	15V 20V 20V 30V 60V		10v 10v 10v	100MA 300MA 100MA 300MA 300MA	85 C 90 C 85 C 85 C 85 C	150MWF 200MWF 150MWF 150MWF 150MWF	1 M	12P 40P 40P 40P 40P	25MN 60MN 30MN	1 MA 1 MA 1 MA 100 MA 100 MA	ALG	TIB TIB	0C44N AC126 AC126 AC126 AC126	2N2614 2N2431 2N2431 2N2431 2N2431	0 0 0
2G381 2G382 2G383 2G384 2G385	PG PG PG PG	T01A T01A T05 T05 T05	L02 L02 L04 L04 L04	20 V 20 V 70 V 50 V 50 V		3V 3V 12V 12V 12V	400 MA 400 MA 100 MA 100 MA 100 MA	85C 85C 85C	250MWF 250MWF 250MWF 250MWF 250MWF	1M 1M 1M	70P		300MA 300MA 50MA 50MA 50MA	AMG ALG ALG	T 18	AC 128 AC Y17 AC Y17	2N2706 2N2706 2N1176 2N1176 2N1176	0 0 0 0
2G386 2G387 2G395 2G396 2G397	PG PG PG PG	105 105 105 105 105	L04 L04 L04 L04 L04	40 V 40 V 30 V 30 V 30 V		20V	100MA 100MA 200MA 200MA 200MA	85C 85C 85C 85C 85C	250MWF 250MWF 150MWF 150MWF 150MWF	1M 2M 4M	70P 70P 18P 18P	30 MN	50MA 50MA 10MA 10MA 10MA	ALA RLS RLS	T I B T A D T A D	AC Y17	2N1176 2N1176 2N1305 2N1305 2N1305	0 0 0 0
2G398 2G401 2G402 2G403 2G524	PG PG PG PG	T05 T012 T012 T012 T05	L02 L09 L09 LC9 L04	105V 20V 20V 40V 45V	60V 20V 20V 40V 30V	40V 3V 3V 3V 15V	200MA 10MA 10MA 25MA 500MA	8 5C 8 5 C 8 5 C 8 5 C 8 5 C	150MWF 100MWF 100MWF 100MWF 225MWF	800K 40M 40M 60M 1M	5 P 5 P		1 MA 1 MA 1 MA 1 MA 1 MA	ALA RLA RLA RLA AMG	T18 T18	ACY17 AF124 AF124 AF124 ACY17	2N1176 2N990 2N990 2N990 2N1176	0 0 0 0
2G525 2G526 2G527 2G527 2G577 2G605	PG PG PG PG PG	T05 T05 T05 T05 T05	L04 L04 L04 L04 L04	45 V 45 V 45 V 70 V 30 V	30V 30V 30V	15V 15V 15V 20V 20V	500MA 500MA 500MA 500MA 200MA	85C 85C 85C 85C 85C	225MWF 225MWF 225MWF 225MWF 150MWF	1 M 1 M	40P 40P 40P 40P 18P	30 MN	1MA 1MA 1MA 1MA 5MA	ALG ALG ALG ALG RLA	T A D	ACY17 ACY17	2N1176 2N1176 2N1176 2N1176 2N1176 2N1305	0 0 0 0
2G1024 2G1025 2G1026 2G1027 2N22	PG PG PG PC	T05 T05 T05 T05	L 04 L 04 L 02 L 04	70V 7CV 70V 70V	40V 40V 40V 40V	20V	500MA 500MA 500MA 500MA	85C 85C 85C 85C	225MWF 225MWF 225MWF 225MWF	1 M 1 M	40 P 40 P 40 P 40 P	20 MN	1 M A 1 M A 1 M A 1 M A	ALA ALG ALG ALG PCT	TAD	ACY17 ACY17 ACY17 ACY17	2N1176 2N1176 2N1176 2N1176 2N1176	0 0 0 0
2N23 2N24 2N25 2N26 2N27	PC PC PC PC	085	овѕ	35V			100MA	85C	50MWF	1 №	16P	50TP	1 M A	PCT PCT PCT PCT ALG	08S 08S 0BS 0BS	AS Y29	2N1304	0 0 0 0
2N28 2N29 2N30 2N31 2N32	NG NG PC PC PC	OBS OBS	08S	30V 35V		20V	100MA 100MA	85C 85C	50MWF 120MWF	500K 1M	16P 16P		1 MA 1 MA	AL G PCT	08S 08S 08S	ASY29	2N1304 2N1304	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	•	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2 N 3 3 2 N 3 4 2 N 3 4 A 2 N 3 5 2 N 3 6	PC PG PG NG PG	T022 T022 T022 T05	L37 L37 L37 L04	40V 25V 40V 20V	25 V 25 V 25 V 20 V	1 OV	100MA 100MA 100MA 8MA	75C 75C 85C 50C	150MWF 150MWF 180MWF 50MWF	200K 300K 400K 200K		35 MN 35 MN 25 / 1 25 40 MN	1 MA 1 MA 1 MA 1 MA	AL G AL G	08 S 08 S 08 S	AC125 AC125 AC176 AC Y17	2N406 2N406 2N2430 2N1176	00000
2 N 3 7 2 N 3 8 2 N 3 8 A 2 N 3 9 2 N 4 O	PG PG PG PG		L 04 L 04 L 04 DBS OBS	20V 20V 20V	20V		AMB AMB AMB	50C 80C 80C	50MWF 50MWF 50MWF	400K 200K 200K		15MN 10MN 15MN	1 M A 1 M A 1 M A	ALG ALG ALG ALG	08 S 08 S 08 S	AC 125 AC 125	2N406 2N406 2N406 2N406 2N406	0 0 0 0
2 N 4 1 2 N 4 3 2 N 4 3 A 2 N 4 4 2 N 4 4 A	PG PG PG PG	T05	0BS L04 L04 L04 L04	25 V 45 V 25 V 45 V 25 V	:	5 V 5 V 5 V	15MA 300MA 300MA 300MA 50MA	50C 85C 85C 85C	50MWF 240MWF 155MWF 240MWF 155MWF	200K 200K 300K		40TP 53TP 53TP 31TP 31TP	1 MA 1 MA 1 MA 1 MA 1 MA	ALG AMG AMG AMG AMG	08S 08S 08S	AC125 AC128 AC128 AC128 ACY17	2N406 2N2706 2N2706 2N2706 2N1176	00000
2N45 2N46 2N47 2N48 2N49	PG PG PG PG	0BS 0BS 0BS 0BS 0BS	08S 08S 08S 08S 08S	45V 25V 35V 35V 35V		150	50MA 15MA 20MA 20MA 20MA	85C 50C 50C 50C 50C	150MWF 50MWF 50MWF 50MWF 50MWF	100K	8 OP	12TP 40TP 39TP 39TP 39TP	1 MA 1 MA 1 MA 1 MA 1 MA	ALG ALG ALG ALG	08S 08S 08S	AC 125 AC 125 AC 125 AC 125 AC 125	2N406 2N406 2N406 2N406 2N406	00000
2N50 2N51 2N52 2N53 2N54	PC PC PC PG	oes	oes	45 <b>V</b>			:	600	20CMWF					PCT PCT PCT PCT AMG	OBS OBS OBS	ACY17	2N1176	0 0 0 0
2N55 2N56 2N57 2N59 2N59A	PG PG PG PG	0 8 S 0 8 S T 0 5	08S 08S 08S L04 L04	45V 60V 60V 25V 40V		10V 10V	800MA 200MA 200MA	60C 60C 85C 85C 85C	200MWF 200MWF 20WC 180MWF 180MWF	200K 800K 800K			200MA 100MA 100MA	AMG AMG AMG AMG	08S 08S 08S	ACY17 AD162 ACY17	2N1176 2N1176 2N2835 2N1176 2N1176	0 0 0 0
2N59B 2N59C 2N60 2N60A 2N60B	PG PG PG PG	T05 T05 T05 T05 T05	L 04 L 04 L 04 L 04 L 04	50 V 60 V 25 V 40 V 50 V		10V 10V 10V 10V	200MA 200MA 200MA 200MA 200MA	85C 85C 85C 85C 85C	180MWF 180MWF 180MWF 180MWF 180MWF	800K 600K 600K	80P 80P 80P	70TP	100MA 100MA 100MA 100MA 100MA	A MG A MG A MG	08 S 08 S 08 S	AC Y17	2N1176 2N1176 2N1176 2N1176 2N1176	0 0 0 0
2N60C 2N61 2N61A 2N61B 2N61C	PG PG PG PG	T05	LC4 LO4 LO4 LO4	60V 25V 40V 50V 60V		10V 10V 10V 10V 10V	200MA 200MA 200MA 200MA 200MA	85C 85C 85C 85C 85C	180MWF 180MWF 180MWF 180MWF 180MWF	400K 400K 400K	80P 80P 80P	45TP 45TP 45TP	100MA 100MA 100MA 100MA	AMG AMG AMG	08S 08S 08S	ACY17	2N1176 2N1176 2N1176 2N1176 2N1176	0 0 0 0
2N62 2N63 2N64 2N65 2N66		T05 T05 T05	08S L04 LC4 L04 OBS	25 V 1 2 V			20MA 10MA 10MA 10MA 800MA		50MWF 100MWF 10CMWF 100MWF	150K		25MN 22TP 50TP 90TP	1MA 1MA 1MA 1MA	ALG ALG	08S 08S 08S	AC125 AC125 AC125 AC125 AC125	2N406 2N406 2N406 2N406 2N4835	0 0 0 0
2N67 2N68 2N71 2N74 2N72	PG PG PG PC	08S 08S 08S	08S 08S 08S	25V 30V 50V 50V	15V 50V 50V		1500MA 1500MA 250MA	70C 75C 60C	2 WF 4 WC 1 WF 200 MWF	150K 100K		40TP	50MA	AHG AMG AHG ALG PCT	08S 08S 08S	AC128 AC162 AC125	2N2835 2N2706 2N2835 2N406	
2N75 2N73 2N76 2N77 2N77	P G P G P G N G	08S 08S 105	08S 08S 08S L04	50V 20V 25V	50V 50V		10MA 15MA 20MA		20 CMWF 20 0MWF 17 5MWF 35 MWF 65 MWF	200K 200K	80P	1	1 MA 100UA 1 MA	ALG	08 S 08 S 08 S	AC125 AC125 AC125 ASY29 ASY29	2N406 2N406 2N406 2N1304 2N1304	0 0 0 0
2N78A 2N79 2N80 2N81 2N82	NG PG PG PG	08S 08S 08S	L 04 085 085 085	20V 20V	20 <b>v</b>	5٧	20MA 50MA 15MA 15MA 15MA	85C	65MWF 35MW 50MWF 50MWF 35MWF	300K		90TP 46TP 30TP 30TP 30TP	1 MA 1 MA 1 MA 1 MA	ALG ALG ALG	08 S 08 S 08 S	AC125 AC125 AC125	2N1 304 2N406 2N406 2N406 2N406	0 0 0 0
2N83 2N83A 2N84 2N84A 2N84A	PG PG PG PG	08 S 08 S 08 S	08S 08S 08S 08S L 37	66V 50V 50V	60V 60V 45V 45V	12V 12V	2A 3A 2A 3A 100MA	85C 85C 85C 85C 85C		175K		18TP 18TP 20TP 20TP 50TP	50CMA 1A 500MA 1A	AHG AHG	08S 08S		2N1533 2N1533 2N1536 2N1536 2N1536	0
2N94A 2N95 2N96 2N97 2N97A	NG NG P C N C	08S 08S 105	L37 085 085 L04 L04	30V 30V	15V 30V 40V	1	100MA 1500MA 20MA 10MA	85C 75C 55C 75C 85C	150MWF 4WC 50MWF 50MWF	175K 200K 400K		40TP 35TP 13TP	1 M A 50 M A 1 M A 1 M A	A L G	08S 08S	AC125 ASY29	2N1 304 2N2 43 0 2N4 06 2N1 30 4 2N1 30 4	0 0
2N98 2N98A 2N99 2N100 2N101	NO NO NO PO	T05 T05 OBS	L04 L04 L04 285	40V 40V 25V	40 V 40 V 40 V 25 V 15 V	· ·	10MA 10MA 10MA 5MA 1500MA		50MWF 50MWF 50MWF 25MWF 1WF	1 M 1500K 2 M		40TP	1 MA 1 MA 1 MA 1 MA 500 MA	RLC RLC RLC	085 085 085	ASY29	2N1304 2N1304 2N1304 2N1304	0
2N102 2N103 2N104 2N105 2N106		T05 X01 085	085 L04 L03 085 L37	35V 30V 25V		15V 12V	1500MA 10MA 50MA 15MA 10MA	75C 75C 75C	1 WF 50 MWF 15 CMWF 35 MWF	300K 300K 300K	40 F 60 F 30 P	44TP 55TP	500MA 1MA 1MA 700UA 500UA	ALG ALG ALN	OBS RCU RCU	AC187K ASY29 AC125 AC107N AC125	2N1304 2N406	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	F T MIN	C OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2N107 2N108 2N109 2N110	PG PG PC	08S 08S x01	08S 08S L 03	12V 20V 35V		12V	10MA 15MA 150MA	60C 60C 85C	50MWF 50MWF 165MWF	400K 150K	60P	19TP 80TP 65MN	1MA 50MA	ALG AMG PCT	OBS RCU OBS	AC 125 AC 125 AC 128	2N406 2N406 2N2706	00000
2N111 2N111A 2N112 2N112A 2N113 2N114	PG PG PG	T022 OBS T022 OBS T022 T022	08S L37 08S L37 L37	30V 30V 30V 30V 30V 30V	15V 15V 6V	20V 20V 20V 20V 20V 20V	200MA 200MA 200MA 200MA 200MA 200MA	85C 85C 85C 85C 85C 85C	130MWF 130MWF 130MWF 130MWF 130MWF	1 M 2 M 2 M 4 M	24P 24P	25TP 25TP 30TP 30TP 45TP 75TP	1MA 1MA	RMG RMG RMG RMG	08S 08S 08S 08S	ASY27 ASY27 ASY27 ASY27 ASY27 ASY27	2N1305 2N1305 2N1305 2N1305 2N1305 2N1305	0 00000
2N117 2N118 2N118A 2N119 2N120	NS NS NS NS	T022 T022 T022 T022 T022	L37 L37 L37 L37 L37	45V 45V 45V 45V 45V		1V 1V 1V 1V	25MA 25MA 25MA 25MA 25MA	175C 175C 165C 175C 175C	150MWF 150MWF 150MWF 150MWF 150MWF	2 M 3 M 2 M	14P	15TP 29TP 54TP 63TP 200TP	1 MA 1 MA	ALG	08S 08S 08S	BC107 BC107 BC107 BC107 BC107	A157 A157 A157 A157 A157	0 0 0 0
2N122 2N123 2N124 2N125 2N126	NS PG NG NG NG	08S 08S 1022 1022 105	0BS 0BS L37 L37 L04	120V 20V 10V 10V 10V	150	1V 10V 5V 5V 5V	140MA 125MA 8MA 8MA 8MA	15 0 C 8 5 C 7 5 C 7 5 C 7 5 C	9WC 150MWF 50MWF 50MWF 50MWF	4M 1200K 2M 2M	20P 20P	20TP 75TP 18TP 36TP 20TP	1MA 1MA		08S 08S 08S	8 S W 6 6 A S Y 2 7 A S Y 2 9 A S Y 2 9 A S Y 2 9	2N1893 2N1305 2N1304 2N1304 2N1304	0 0 0 0
2N128 2N129 2N130 2N130A 2N131	PG PG PG PG	0BS 0BS T05 T05 T05	08S 08S L04 L04 L04	10V 10V 25V 45V 25V	227	10 V 10 V 12 V 12 V 12 V	5MA 5MA 10MA 100MA 10MA	85C 85C 85C 85C 85C	25MWF 25MWF 85MWF 100MWF 85MWF	40M 30M 300K 300K 350K		19MN 20TP 24TP 26TP 50TP	1MA 1MA	RLA RLA ALG ALG ALG	08S 08S 08S	AF124 AF124 AC125 AC125 AC125	2N990 2N990 2N406 2N406 2N406	0 0 0 0
2N131A 2N132 2N132A 2N133 2N133A	PG PG PG PG	T05 T05 T05 T05 T05	L04 L04 L04 L04 L04	45V 25V 35V 25V 45V	12V 20V 15V	127	100MA 10MA 100MA 10MA 100MA	85C 85C 85C 85C 85C	100MWF 85MWF 100MWF 85MWF 100MWF	300K 400K 400K 300K 300K		45 TP 90 TP 90 TP 50 TP 50 TP	1MA 1MA	ALG ALG ALG ALG ALG	08S 08S	AC 125 AC 125 AC 125 AC 125 AC 125	2N406 2N406 2N406 2N406 2N406 2N406	0 0 0
2N135 2N136 2N137 2N138 2N138A	PG PG PG PG	OBS OBS OBS TO22 OBS	08S 08S 08S L37 08S	20V 20V 20V 20V 45V	12V 12V 6V 12V 30V		50MA 50MA 50MA 150MA 100MA	85C 85C 85C 75C 85C	100MWF 100MWF 100MWF 150MWF 240MWF	3 M 4 M	25 P	20TP 20TP 60TP 44TP 40TP	1MA 1MA 1MA 50MA 1MA	RLG RLG RLG AMG ALG	08 S 08 S	ASY27 ASY27 ASY27 AC128 AC125	2N1305 2N1305 2N1305 2N1305 2N2706 2N406	0 0 0 0
2N138B 2N139 2N140 2N141/13 2N142/13	PG PG PG PG NG	OBS X01 X01 OBS OBS	08S L03 L03 08S 08S	45 V 16 V 16 V 60 V	9 v 30 v	1 2V 1 2V 3 0 V 3 0 V	100MA 15MA 15MA 1A 800MA	850 750 750 750 750	100MWF 35MWF 80MWF 20WC 4WH	2 M 4 M	12P	40TP 48TP 75MN 25MN 30TP	1 MA 1 MA 600UA 500MA 500MA	AMG	RCU	AC125 OC44N OC44N AD162 AD161	2N406 2N2614 2N2614 2N2835 2N4077	0 0 0 0
2N143 2N144/13 2N145 2N146 2N147	NG NG NG	08S 0ES 1022 1022 1022	08S 08S L 37 L 37 L 37	60V 60V 20V 20V 20V	30V 60V	30V 30V	1 A 800MA 5 MA 5 MA 5 MA	75C 75C 75C 75C 75C 75C		200K 200K 600K 700K 800K	2 P 2 P	10MN 11MN 30TP 50TP 70TP	1MA	AMG	08S 08S 08S		2N2835 2N4077 2N1304 2N1304 2N1304	0 0 0 0
2N148 2N148A 2N149 2N149A 2N150	NG NG NG	T022 T022 T022 T022 T022	L37 L37 L37 L37 L37	16V 32V 16V 32V 16V			5MA 5MA 5MA 5MA 5MA	75C 75C 75C 75C 75C	65MWF 65MWF 65MWF 65MWF 65MWF	500K 500K 500K 500K 500K	2P 2P 2P	50TP 50TP 50TP 50TP 50TP	1MA 1MA 1MA	RLG RLG RLG RLG RLG	0 B S 0 B S 0 B S	ASY29 ASY29 ASY29 ASY29 ASY29	2N1304 2N1304 2N1304 2N1304 2N1304	0 0 0 0
2N150A 2N155 2N156 2N157 2N157A	PG PG PG	T022 T03 OBS T03 T03	L 37 L 05 0BS L 05 L 05	32V 30V 30V 60V 90V	15 30v	15 V 15 V 30 V 30 V	5 M A 3 A 3 A 3 A	75 C 85 C 85 C 85 C 85 C	2CWC	100K 100K		50 TP 32 TP 25 M N 25 M N 25 M N	1 MA 500MA 500MA 500MA 500MA	AHG AHG	08S 08S 08S	ASY29 ASZ16 ASZ16 ASZ16 ASZ16 ASZ15	2N1304 2N1536 2N1536 2N1536 2N1533	0 0 0 0
2N158 2N158A 2N160 2N160A 2N161	PG NS NS	08S 08S 1022 1022 1022	08S 08S L37 L37 L37	60 V 80 V 40 V 40 V 40 V		30 V 30 V 1 V 5 V 1 V	3A 3A 25MA 25MA 25MA	175C	20WC 20WC 150MWF 150MWF 150MWF	100K 2M 2M	12P 12P	21MN 21MN 15TP 15TP 30TP		AHH RLG RLG	08 S 08 S 08 S	ASZ15 ASZ15 BC107 BC107 BC107	2N1536 2N1533 A157 A157 A157	0 0 0 0
2N161A 2N162 2N162A 2N163 2N163A	NS NS	T022 T022 T022 T022 T022	L37 L37 L37 L37 L37	40V 40V 40V 40V 40V		5 V 1 V 5 V 1 V 1 V	25MA 25MA 25MA	175C 150C 150C 150C 150C	150MWF 150MWF 150MWF 150MWF 150MWF	3M 3M 3M	12P 12P 12P 12P 12P	30TP 39TP 39TP 78TP 78TP	1MA 1MA	RLG RLG RLG	08 S 08 S 08 S	BC107 BC107 BC107 BC107 BC107	A157 A157 A157 A157 A157	0 0 0 0
2N164A 2N165 2N166 2N167 2N167A	NG NG	105 105	L04 L04 L04 L37 L37	15V 15V 6V 30V 30V	15V 15V 6V 30V 30V	5 V 5 V	20MA 20MA 20MA 75MA 25MA	85C 85C 50C 75C 75C	65MWF 65MWF 35MWF 75MWF 75MWF	4M 2N 2M 4M	5 P 5 P 5 P	40TP 72TP 32TP 65TP 30TP	1MA 1MA	RLG RLG RLG	08 S 08 S 08 S	ASY29 ASY29 ASY29 ASY29 ASY29	2N1304 2N1304 2N1304 2N1304 2N1304	0 0 0 0
2N168 2N168A 2N169 2N169A 2N170	NG	T022 T022 T022	L04 L37 L37 L37 L37	15V 15V 15V 25V 6V	9V 15V 15V 25V 6V	5∨	20MA 20MA 20MA 25MA 20MA	85C 85C 85C 85C 85C	65MWF 65MWF 65MWF 65MWF 25MWF	2M 3M 3M 4M 1M	5 P 5 P 5 P	90TP 40TP 72TP 50TP 20TP	1 MA 1 MA 1 MA	RLG RLG	CBS OBS OBS	ASY29 ASY29 ASY29 ASY29 ASY29	2N1 304 2N1 304 2N1 304 2N1 304 2N1 304	0 0 0 0
2N172 2N173 2N174 2N174A 2N175	PG PG PG	T022 T036 T036 T036 X01	L37 L13 L13 L13 L03	16V 60V 80V 80V 10V	45V 55V 40V	10V 40V 60V 60V 10V	15A	75C 100C 100C 100C 85C	65MWF 150WC 150WC 150WC 20MWF	100K		40TP 35/70 25/50 40/80 65TP	5 A 5 A	AHG AHG AHG	MOB MOB OBS		2N1304 2N1100 2N1100 2N1100 2N406	0 0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	T	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2N176 2N178 2N180 2N181 2N181	PG PG PG PG	TC3 TO3 TO5 TO5 TO5	LC5 LO5 LO4 LO4 LO4	40V 30V 30V 30V 25V	12V 30V 30V 30V	20V 30V 30V 15V	3A 3A 25MA 38MA 10MA	90C 90C 75C 75C 75C	90WC 90WC 150MWF 250MWF 100MWF	125K 100K 300K 300K 2M	40P	25/90 15/45 60TP 60TP 25TP	500MA 500MA 1MA 1MA	ALG ALG	MCB MOB OBS OBS	ASZ16 ASZ16 AC128 AC128 ASY29	2N1536 2N1536 2N406 2N406 2N406 2N1304	0 0 0 0
2N183 2N184 2N185 2N186 2N186A	NG NG PG PG	T05 T05 T022 08S 08S	L04 L04 L37 OBS OBS	25V 25V 20V 25V 25V	20 V	15V 15V 10V 5V 5V	10MA 10MA 150MA 200MA 200MA	75C 75C 75C 85C 85C	10 CMWF 100MWF 15 CMWF 100MWF 200MWF	3 M 7 M 300K 300K	20 P 80P	40 TP 60 TP 80 TP 24 TP 24 TP	1MA 1MA 50MA 1MA 100MA	RLG RLG AMG AMG AMG	08S 08S 08S 08S 08S	AS Y29 AS Y29 AC 128 AC 128 AC 128	2N1304 2N1304 2N2706 2N2706 2N2706	0 0 0 0
2N187 2N187A 2N188 2N188 2N188A 2N189	PG PG PG PG	08S 08S 08S 08S 08S	08S 08S 08S 08S 08S	25 V 25 V 25 V 25 V 25 V		5V 5V 5V 5V	200MA 200MA 200MA 200MA 200MA	85C 85C 85C 85C 85C	100MWF 100MWF 200MWF 200MWF	400K 400K 500K 500K 300K	80 P 80 P 80 P	36TP 36TP 54TP 54TP 32TP	10 CMA 10 0MA 1 MA 10 0 MA 1 MA	AMG AMG AMG AMG AMG	08S 08S 08S 08S 08S	AC128 AC128 AC128 AC128 AC128	2N2706 2N2706 2N2706 2N2706 2N2706	0 0 0 0
2N19G 2N191 2N192 2N193 2N194	PG PG PG NG	0BS 0BS 0BS 1022 1022	08S 08S 08S L37 L37	25V 25V 25V 18V 25V	187	5V 5V 5V	200MA 200MA 200MA 50MA 100MA	85C 85C 85C 75C 75C	200MWF 200MWF 200MWF 150MWF 50MWF	700K 1M	80P 80P 22P	42TP 67TP 90TP 10TP 10TP	1 MA 1 MA 1 MA 1 MA 1 MA	AMG AMG AMG RLG RLG	08 S 08 S	AC128 AC128 AC128 ASY29 ASY29	2N2706 2N2706 2N2706 2N1304 2N1304	0 0 0 0
2N194A 2N194A 2N195 2N196 2N197	NG G PG PG PG	TC22 TO22 TO5 TO5 TO5	L37 L37 L04 L04 L04	18V 18V 15V 30V 30V	18V 18V 12V 25V 25V	5 V 5 V 6 V 6 V	50MA 50MA 30MA 30MA 30MA	750 750 750 750 750 750	50MWF 50MWF 200MWF 200MWF 200MWF	1200K   400K	22P	10TP 10TP 180TP 50TP 40TP	1 MA 1 MA 1 MA 1 MA 1 MA	RLG RLG ALG ALG ALG	08S 08S 08S	ASY29 ASY29 AC125 AC125 AC125	2N1304 2N1304 2N406 2N406 2N406	0 0 0 0
2N198 2N199 2N200 2N204 2N205	PG PG PG PG	T05 T05 T05 T05 T05	L04 L04 L04 L04 L04	30 V 30 V 36 V 36 V 36 V	25V 25V 30V 30V 30V	127	30MA 30MA 100MA 130MA 100MA	75 C 75 C 8 5 C 8 5 C 8 5 C	200MWF 200MWF 350MWF 350MWF 350MWF	200K		30TP 15TP 30TP 15TP 15TP	1 MA 1 MA 1 MA 1 MA 1 MA	ALG ALG ALG ALG ALG	08 S 08 S	1	2N406 2N406 2N406 2N406 2N406	0 0 0 0
2N206 2N207 2N207A 2N207B 2N211	PG PG PG PG	T01 T05 T05 T05 T022	L 02 L 04 L 04 L 04 L 37	30 v 12 v 12 v 12 v 10 v	30V 12V 12V 12V 10V		50MA 20MA 20MA 20MA 50MA	85C 65C 65C 65C	75MWF 85MWF 85MWF 85MWF 50MWF	500K 400K 1 M	80P	47TP 100TP 100TP 100TP 10TP	1 MA 1 MA 1 MA 1 MA 6 MA	ALG ALG ALG ALG RLG	08 S 08 S 08 S	AC125 AC125 AC125 AC125 AC125 ASY29	2N2706 2N406 2N406 2N406 2N406 2N1304	0 0 0 0
2N212 2N213 2N213A 2N214 2N214A	NG NG NG NG	T022 T022 T022 T022 T05	L37 L37 L37 L37 L04	18V 40V 40V 40V 40V	18V 25V 25V 25V 25V	10V 10V	100MA 100MA 100MA 100MA	750 750 750 750 750 750	150MWF 180MWF 180MWF 180MWF 180MWF	100K 300K	20P 20P 50P	20TP 80TP 185TP 44MN 50MN	1 MA 1 MA 1 MA 3 5 MA 3 5 MA	ALG AMG	OBS OBS	ASY29 ASY29 AC176 AC176 AC176	2N1304 2N1304 2N2430 2N2430 2N2430	0 0 0 0
2N215 2N216 2N217 2N218 2N219	PG	T01 T022 T01 T01 T044	L02 L37 L02 L02 L36	30V 18V 25V 16V 16V	127	12V 12V 0V5 0V5	50MA 50MA 70MA 15MA 15MA	85C 75C 50C 85C 85C	150MWF 50MWF 150MWF 35MWF 80MWF	1 M	80P 20P 18P 15P	44TP 8MN 75TP 48TP 75MN	1 MA	AMG RLG	OBS RCU RCU	AC125 ASY29 AC128 OC44N OC44N	2N406 2N1304 2N2706 2N2614 2N2614	0 0 0
2N2 20 2N2 23 2N2 24 2N2 25 2N2 26	PG PG PG PG	08S 08S 08S	LO2 OBS OBS OBS	10V 25V 25V 30V	187	100	2MA 150MA 150MA 150MA 150MA	85C 65C 75C 75C 75C	50MWF 250MWF 250MWF 250MWF 250MWF	200K 200K 200K	70P 180P 180P 180P 250P	65TP 39MN 60MN 60MN 60TP	500UA 2MA 100MA 100MA	AMG AMG MPP	08S 08S 08S	AC125 AC128 AC128 AC128 AC128	2N406 2N2706 2N2706 2N2706 22N224X2 2N2706	0 0 0 0 0
2N227 2N228 2N229 2N231 2N232	PG NG NG PG PG	T022 T022 OBS	08S L36 L37 OBS 08S	30V 40V 10V 5V 4V5	15V 10V 4V	20V	150MA 100MA 100MA 3MA 3MA	75C 75C 75C 55C 55C	250MWF 180MWF 180MWF 9MWF 9MWF	200H 250K 20N	1 6P		_	AMG ALG VLA	08S 08S 08S	AC128) AC176 AC125 AF124 AF124	2 2N 226 X2 2N 24 30 2N 406 2N 990 2N 990	0 0 0
2N233 2N233A 2N234 2N234A 2N235	NG NG PG PG	T022	L37 L37 L05 L05 L05	18V 30V 30V	10V 12V 30V 30V 40V	5٧	100MA 100MA 3A 3A 3A	75C 75C 90C 90C 90C	150MWF 150MWF 40WC 40WC 4ChC	21	18P			AHG	08S 08S 08S	ASY29 ASY29 ASZ16 ASZ16 ASZ16	2N1304 2N1304 2N1536 2N1536 2N1536	0 0 0 0
2N235A 2N235B 2N236 2N236A 2N236B	PG PG PG PG	T03 T03 T03	L 05 L 05 L 05 L 05	50V 50V	40 V 40 V 40 V 40 V	15V	3A 3A 3A 3A 3A	90C 90C 90C 90C 90C	40 WC 40 WC 40 WC 40 WC			40TP 60TP 40TP 40TP 60TP	500MA 500MA 500MA 500MA	AHG AHG	0BS 0BS 0BS	ASZ16 ASZ16 ASZ16 ASZ16 ASZ16 ASZ16	2N1536 2N1536 2N1536 2N1536 2N1536	0 0 0 0
2N237 2N238 2N240 2N241 2N241A	PG PG PG PG	T022 085	L 04 L37 0BS 0BS	20V 6V 25V	6 V	20 V 5 V 5 V 5 V	20MA 150MA 15MA 200MA 200MA	75C 85C 85C	150MWF 150MWF 30MWF 100MWF 200MWF	150 500	5P5 80F	73TP	1 M A 5 O M A 3 M A 1 O O M A 1 O O M A	VLA AMG	08 S 08 S 08 S	AC 128	2N406 2N2706 2N990 2N2706 2N2706	
2N242 2N243 2N244 2N245 2N246	PG NS NS	0BS 105 105	L05 0BS L04 L04 L04	60V 60V	45 V 60 V	<u>'</u>	60MA		25W0 750MWF 750MWF 1WF	:	<b>‹</b>	60TP 20TP 59TP 15TP 50TP	500 MA 5 MA 5 MA 5 MA	ALC ALC ALC	089 089 089	1	2N1536 2N2297 2N2297 2N2297 2N2297	0
2N247 2N247/33 2N248 2N249 2N250	PG PG PG	08S 1022	L07 085 L37 L04 L05	40V 25 V 25 V		1 V 0 V 5	10MA 10MA 5MA 200MA 3A	85C 85C 85C	35MWF 120MWF 30MWF 350MWF 25WC	60 25	M 3 F	I	500U/	VLA VLA AMO	083 A CB3 G 083	AF124 AF124 AF124 AF124 ACY17 ASZ16	2N990 2N990 2N990 2N1176 2N1536	

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	F C T MIN	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2N250A 2N251 2N251A 2N252 2N253	PG PG PG PG	103 103 103 1022 1022	L05 L05 L05 L37 L37	40V 60V 60V	25 V 35 V 16 V 5 V	20V 20V	7A 3A 7A 5MA	1000	90WC 25WC 90WC 30MWF 65MWF	160K 160K 2M IM	2 P	25/100 30/90 25/100 30MN 10TP	3A 500MA 3A 1MA	AHG AHG AHG RLG RLG	088	ASZ16 ASZ16 ASZ16 ASZ16 AF124 ASY29	2N 1536 2N 1536 2N 1536 2N 990 2N 1304	0 0 0 0
2N254 2N255 2N255A 2N256 2N256A	NG PG PG PG	T022 T03 T03 T03 T03	L37 L05 L05 L05 L05	20V 30V 15V 30V 30V	15V 15V 30V 25V	15V 30V	3A 3A 3A	75C 85C 100C 85C 85C	65MWF 9WC 20WC 35WC 35WC			20TP 30/100 30MN 30/100 30MN	1 MA 500 MA 500 MA 500 MA 500 MA	RLG AHG AHG AHG AHG	08 S 08 S 08 S	ASY29 ASZ16 ASZ16 ASZ16 ASZ16	2N1304 2N1536 2N1536 2N1536 2N1536	0 0 0
2N257 2N257B 2N257G 2N257h 2N260	PG PG PG PS	103 103 103 103 085	L05 L05 L05 L05 OBS	40V 40V 40V 40V	35V 35V 35V 35V	20 V 20 V	3A 3A 3A 3A 50MA	850 850 850 850 1500	45WC 45WC 45WC 45WC 200MWF	100K 100K 100K 100K 800K		40MN 50MN 40MN 60MN 16TP	2 A 2 A 2 A 2 A 1 M A	AHG AHG AHG AHG			2N1536 2N1536 2N1536 2N1536 2N1536 2N3965	0 0 0 0
2N260A 2N261 2N262 2N262A 2N263	PS PS PS PS	08S 08S 08S 08S 1022	08S 08S 08S 08S -L37	30V 75V 10V 30V 45V			50MA 50MA 50MA 50MA 20MA	150C 150C 150C 150C 150C	200MWF 200MWF 200MWF 200MWF 125MWF	800K 800K 2M 2M 10M		16TP 10TP 20TP 20TP 45MN	1 M A 1 M A 1 M A 1 M A 1 O M A	ALG ALG ALG ALG ALG		BC177 BC177 BC177 BC177 BC107	2N3965 2N3965 2N3965 2N3965 2N3965 A157	0 0 0 0 0
2N264 2N265 2N267 2N268 2N268	NS PG PG PG PG	T022 0BS 0ES F03 T03	L37 08S 08S L05 L05	45V 25V 12V 80V 80V	12v 60v 60v	0V 5 40 V 20 V	20MA 50MA 10MA 3A 3A	150C 85C 85C 85C 85C	125MWF 75MWF 80MWF 45WC 45WC	5 M 600K 30 M 100K 100K	80P 3P	20MN 115TP 60TP 40MN 20/80	10MA 1MA 1MA 2A 2A	ALG ALG VLA AHH AHH	08S 08S 08S 08S	BC107 AC125 AF124 ASZ15 ASZ15	A157 2N406 2N990 2N1533 2N1533	0 0 0
2N269 2N27C 2N271 2N271A 2N272	PG PG PG PG	T01 T07 T05 T05	L 02 L 03 L 04 L 04 L 04	20 V 25 V 30 V 30 V 24 V	20 V 12 V 10 V 10 V 24 V	9 V 12 V 20 V 20 V	100MA 150MA 200MA 200MA 100MA	850 850 850 850 850	120MWF 250MWF 150MWF 150MWF 150MWF	4 M 300K 4 M 4 M 200K	15P	40TP 70TP 45TP 45TP 120TP	20MA 15CMA 1MA 1MA 1MA	RMS AMG RMG RMG ALG	RCU RCU OBS OBS OBS	ASY27 AC128 ASY27 ASY27 AC125	2N1305 2N2706 2N1305 2N1305 2N406	0 0 0
2N273 2N274 2N277 2N277A 2N277A	PG PG PG NG PG	T05 T044 T036 T05 T036	L04 L36 L13 L04 L13	30 V 35 V 40 V 40 V 50 V	30 V 12 V 25 V	0V5 2CV 15V	100MA 10MA 15A 200MA	85 C 8 5 C 9 5 C 10 O C 1 C O C	150MWF 80MWF 150WC 200MWF 150WC	400K 12M 200K 1M 200K	60P 3P	20 TP 60 TP 35/70 40 TP 35/70	5 C M A 1 M A 5 A 1 O M A 5 A	AMG RLA AHG AMG AHG	OBS RCU MOB OBS MOB	AC128 AF124 ADZ12 AC176 ADZ12	2N2706 2N990 2N1100 2N2430 2N1100	0 0 0 0
2N279 2N280 2N281 2N282 2N283	P G G P G P G	x01 x01 x02 x02 x02	L03 L03 L03 L03 L03	30V 30V 16V 16V 32V	30 v 30 v 16 v 16 v	10V 10V 30V	10MA 10MA 125MA 125MA 10MA	850 850 750 750 750	125MWF 125MWF 125MWF 125MWF 125MWF	150K 150K 150K 150K 200K		301P 47TP 70TP 70TP 40TP	50 CU A 3MA 10MA 10MA 50 CUA	ALG ALG AMG MPP ALG	08S 08S 08S 08S 08S	AC128	2N406 2N406 2N2706 2N281X2 2N406	0 0 0 0
2N284A 2N284A 2N285 2N285A 2N285B	PG	X02 X02 T03 T03	L03 L03 L05 L05 L05	30V 30V 40V 40V 40V	30 v 30 v 40 v 40 v 40 v		10MA 10MA 3A 3A	75C 75C 95C 95C 95C	125MWF 125MMF 25MC 25MC 25MC			30TP 47TP 150TP 150TP 150TP	500UA 3MA 500MA 500MA 500MA	ALG AHG	CB S OB S OB S	AC 125 AC 125 ASZ 16 ASZ 16 ASZ 16	2N406 2N2706 2N1536 2N1536 2N1536	0 0 0
2N290 2N291 2N292 2N292A 2N293		T036 T022 T022 T05 T022	L13 L37 L37 L04 L37	70V 25V 15V 15V 15V	12v 15v 15v 15v		12A 200MA 20MA 20MA 20MA	95C 65C 85C 85C 85C	55WC 180MWF 65MWF 65MWF 65MWF	200K 200K 2M 2M 4M	5 P 5 P 5 P	70TP : 30TP 25TP 25TP 25TP	1 M A	AHG AMG RLG RLG RLG	OBS OBS	ADZ12 AC128 ASY29 ASY29 ASY29	2N1100 2N2706 2N1304 2N1304 2N1304	0 0 0
2N296 2N297 2N297A 2N299 2N3UU	PG PG PG PG	103 103 103 103 280 280	L05 L05 L05 OBS OBS	60V 60V 60V 5V 7V	60 v 50 v 40 v 4 v 4 v	15V 9V 40V 5V 5V	2 A 5 A 4 A 5 M A 2 O M A	100 C 95 C 100 C 85 C 85 C	25 k C 45 W C 35 k C 20 M W F 40 M W F	100K 100K 100K 40M 40M	4P 4P	20MN 12/40 40/100 10TP 10MN	14 24 500MA 500UA 500UA	AHH AHG AHG VLA VLA	08S M08 08S	ASZ15 ASZ16 ASZ16 AF124 AF124	2N1533 2N1536 2N1536 2N1536 2N990 2N990	0 0 0
2N3C1 2N3C1A 2N3O2 2N3O3 2N3O6	PG	T03 T03 T05 T05 T022	L 05 L 05 L 04 L 04 L 37	40V 60V 10V 10V 20V	32 v 32 v 10 v 10 v 15 v	10 v 10 v	3A 3A 200MA 200MA 100MA	950 950 850 850 750	45WC 45WC 150MWF 150MWF 180MWF	3M 6M 500K		50TP 50TP 45TP 75TP 75TP	1 A 1 A 1 M A 1 M A	AHG AHG RMG RMG ALG	RCU RCU OBS OBS OBS	ASZ16 ASZ16 ASY27 ASY27 AC125	2N1536 2N1536 2N1305 2N1305 2N406	0 0 0 0
2N3C7 2N3O7A 2N3O7B 2N3O8 2N3O9	PG PG PG	T03 T03 T03 T022 T022	L 05 L 05 L 05 L 37 L 37	35V 35V 35V 20V 20V	35 v 35 v 35 v		5A 5A 5A 5MA 5MA	750 750 750 550 550	50WC 50WC 50WC 30MWF 30MWF	100K 100K 100K	2 P 2 P	20MN 30MN 40MN 30TP 30TP	200MA 200MA 200MA 1MA 1MA	AHG AHG AHG RLG RLG	OBS	ASZ16 ASZ16 ASZ16 AF124 AF124	2N1536 2N1536 2N1536 2N1536 2N990 2N990	0 0 0 0 0
2N31C 2N311 2N312 2N313 2N314	PG NG NG	T022 T05 T05 OBS OBS	L37 L04 L04 OBS OBS	20 V 15 V 15 V 15 V 15 V	15v 15v 15v 15v	6 V 15 V	5MA 50MA 200MA 20MA 20MA	55 C 85 C 85 C 85 C 85 C	30MWF 150MWF 150MWF 65MWF 65MWF	2 M 4 M	2Р	50 TP 50 TP 50 TP 25 TP 25 TP	1 MA 10 MA 10 MA 1 MA 1 MA	ALG AMS RLG	08S 08S 08S	AF124 AC125 ASY29 ASY29 ASY29	2N990 2N406 2N1304 2N1304 2N1304	0 0 0 0
2N315 2N315A 2N315B 2N316 2N316	PG	T05 T05 T05 T05 T05	L04 L04 L04 L04 L04	20V 30V 30V 20V 30V	15v 10v	20V 20V	500MA 500MA 500MA 500MA 400MA	85C 85C 85C 85C 100C	150MWF 150MWF 150MWF 150MWF 150MWF	2 M 5 M	25P 25P 25P 25P 20P 20P	15/30 20/50 70TP 20/50 20/50	100MA 100MA 1MA 200MA 200MA	RMS RMG RMS	08 S 08 S 08 S	ASY27 ASY27 ASY27 ASY27 ASY27	2N1305 2N1305 2N1305 2N1305 2N1305	0 0 0 0 0
2N317 2N317A 2N318 2N319 2N320	PG PH PG	105 105 105 105	L04 L04 L04 L04	20V 20V 25V 25V	6V 6V 20V 20V	20V 20V 3V 3V	400MA 400MA 200MA 200MA	85C 100C 85C 85C	100 MWF 150 MWF 225 MWF 225 MWF	8 M 1 M	20P 20P 50P 40P	20/60 20/60 34TP 50TP		RMS PHT AMG	OB S MOB	ASY27 ASY27 AC128 AC128	2N1305 2N1305 2N2706 2N2706	0 0 0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	F C T OB MIN MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2N321 2N323 2N322 2N324 2N325	PG	T05 T05	L04 L04 L04 L04 L04	25V 18V 18V 18V 35V	20V 18V 18V 18V	3V 5V 5V 5V 15V	200MA 200MA 200MA 200MA 20	85C 85C 85C 85C 85C	225MWF 200MWF 200MWF 200MWF 12WC	1M 40P 1500K 30P 1M 30P 2M 30P	70TP 44TP	20MA 1MA 1MA 1MA	AMG RMG AMG RMG AHG	MOB MOB MOB	AC Y17 AS Y27 ACY 17 AS Y27 AS Z16	2N1176 2N1305 2N1176 2N1305 2N1536	0 0 0
2N326 2N327 2N327A 2N327B 2N328	PS PS PS	T05	L05 L04 L04 L04 L04	35V 40V 50V 50V 50V	35V 40V 40V 35V	20V 20V 20V	2A 50MA 50MA 100MA 50MA	85C 160C 160C 175C 160C	7 HC 330MWF 250MWF 400MWF 385MWF		14TP	1A 3MA 3MA 2MA 3MA	AHG ALG ALG ALG	TIB TIB OBS	BCY32 BCY32	2N4077 2N1475 2N1475 2N1475 2N1475	0 0 0 0
2N328A 2N328B 2N329 2N329A 2N329B	PS PS PS PS		L04 L04 L04 L04 L04	50V 50V 30V 50V 50V	35V 35V 20V 30V 30V	20V 20V 20V 20V	50MA 100MA 50MA 50MA 100MA			120K120F 1200K 18F 200K120P 200K120P 2M 18F	18/44 50TP 36/88	3MA 3MA 3MA 3MA 3MA	ALG ALG ALG ALG	08 S 0 B S T I B	BCY32	2N1475 2N4036 2N1475 2N1475 2N4036	0 0 0 0
2N330 2N330A 2N331 2N332 2N332A	PS PS PG NS	T 05 T 05 T 05	L 04 L 04 L 04 L 04 L 04	45V 50V 30V 45V 45V	35V 30V 45V	20 V 1 2 V 1 V 4 V	100MA 50MA 200MA 25MA 25MA	160C 85C	335MWF 385MWF 200MWF 150MWF 500MWF		25TP 50TP 9/20	3 MA 3 MA 1 MA 1 MA 1 MA	ALG AMG	OBS MOB OBS	BCY32 BCY32 ACY17 BFY50 BFY50	2N1475 2N1475 2N1176 2N2297 2N2297	0 0 0
2N333 2N333A 2N334 2N334A 2N334B	NS NS NS NS	T05 T05 T05	L C 4 L C 4 L C 4 L C 4 L C 4	45V 45V 45V 45V 60V	45V 45V 60V	1 V 4 V 1 V 4 V	25MA 25MA 25MA 25MA 25MA	175C 200C 175C	150MWF 500MWF 150MWF 500MWF 500MWF	3M 14F 5M 14F 4M 14F 5M 14F 5M 14F	18/40 18/86 18/86	1 M A 1 M A 1 M A 1 M A		08S 08S 08S	l	2N2297 2N2297 2N2297 2N2297 2N2297 2N2297	00000
2N335 2N335A 2N335B 2N336 2N336A	NS NS NS NS	105 105 105	L04 L04 L04 L04 L04	45V 45V 60V 45V 45V	45V 60V 45V	1 V 4 V 4 V 1 V 4 V	25MA 25MA 25MA 25MA 25MA	175C 175C 200C	150MWF 500MWF 500MWF 150MWF 500MWF	6M 14F 6M 14F	36/86 28/90 76/333	1 MA 1 MA 1 MA 1 MA 1 MA	ALG ALG	08S 08S 08S		2N2297 2N2297 2N2297 2N2297 2N2297 2N2297	0 0 0 0
2N337 2N337A 2N338 2N338A 2N339	NS NS NS NS	T05 T05 T05	LC4 LO4 LC4 LO4 LO4	45V 45V 45V 45V 55V	30V 35V 30V 35V 55V	1 V 2V5 1V 2V5 1 V	20MA 20MA 20MA 20MA 60MA	1750 1750 1750	125MWF 500MWF 125MWF 500MWF	12M 4F 20M 4F	20/55 45/150 45/150	10MA 10MA 10MA 10MA 5MA	ALG ALG ALG	08S 08S 08S	BFY50 BFY50	2N2297 2N2297 2N2297 2N2297 2N2297 2N2297	0 0 0
2N339A 2N340 2N340A 2N341 2N341A	NS NS NS NS	T05 T05 T05	L04 L04 L04 L04 L04		60V 85V 85V 85V 85V	3V 1V 3V 1V 3 V	50MA 60MA 60MA 60MA	150C 200C 150C	3 WC 1 WF 3 WC 1 WF 3 WC		53TP 50TP 20/80 50TP 20/80	1 MA 1 MA 1 MA 5 MA 1 MA	ALH ALH ALH	08S 08S 08S	BSW66 BSW66 BSW66	2N2297 2N1893 2N1893 2N1893 2N1893	0 0 0 0
2N342 2N342A 2N342B 2N343 2N343A	NS NS NS NS	T05	L04 L04 L04 L04 L04	85V 85V 60V	60V 85V 85V 60V	1 V 1 V 2 V 1 V		150C 150C 150C	1 WF 1 WF 1 WF 1 WF	3M 20F	20TP 20TP 21TP 50TP 59TP	5MA 5MA 5MA 5MA	ALH ALH ALH	08S 08S 08S	BSW66 BSW66 BSW66	2N1893 2N1893 2N1893 2N1893 2N2297	0 0 0 0
2N343B 2N344 2N345 2N346 2N347	NS PG PG PG NS	08S 08S 08S	L04 OBS OBS OBS OBS	5V 5V 5V	65V 5V 5V 5V 60V	2٧	60MA 5MA 5MA 5MA 40MA	85C 85C	1 WF 40MWF 40MWF 40MWF 750MWF	20M 12F 20M 12F 30M 12F	22TP 66TP	5MA 500UA 500UA 500UA 1MA	VLA VLA	08S 08S 08S	AF 124	2N2297 2N990 2N990 2N990 2N990 2N2297	0 0 0 0
2 N 3 4 8 2 N 3 4 9 2 N 3 5 0 2 N 3 5 0 A 2 N 3 5 1	NS NS PG PG	08S 103 103	08S 08S 105 105	125V 50V 50V	90V 125V 40V 40V 40V		40MA 40MA 3A 3A	150C 90C 90C	750MWF 750MWF 90WC 90WC 90WC	2M 300K 300K	24TP 19TP 20/60 20/60 25/90	1 MA 1 MA 700 MA 700 MA	ALH AHG AHG	OBS OBS MOB	BSW66 ASZ16 ASZ16	2N1893 2N1893 2N1536 2N1536 2N1536	0 0 0 0
2N351A 2N352 2N353 2N354 2N355	PG PG PS PS	T03 T03 08S	L C 5 L C 5 L C 5 O B S O B S	50 V 50 V 25 V	40V 40V 40V 25V 10V		3A 2A 2A 5 OM A 5 OM A	100C 100C 140C	90WC 25WC 30WC 150MWF 150MWF	250K 250K 6M	25/90 30MN 40MN 18TP 18TP	70CMA 1A 1A 1MA	AHG ALG	08S 08S	ASZ16 ASZ16 BC177	2N1536 2N1536 2N1536 2N1536 2N3965 2N3965	0 0 0 0
2N356 2N356A 2N357 2N357A 2N358	NG NG NG NG	105 105 105	L04 L04 L04 L04 L04	30V 20V 30V	18V 20V 18V 20V 18V	20V 20V 20V	500MA 500MA 500MA 500MA	85C 85C 85C	150MWF 150MWF 150MWF 150MWF 150MWF	1M 251 2M 25 2M 25	20/50 P 20/50 P 25/75	100MA 100MA 200MA 200MA 300MA	RMS RMS RMS	08S RCU 08S	ASY29 ASY29 ASY29 ASY29 ASY29	2N1304 2N1304 2N1304 2N1304 2N1304	0 0 0 0
2N358A 2N359 2N360 2N361 2N362	NG PG PG PG	T05 T05 T05	L04 L04 L04 L04 L04	25V 32V 32V	20 V 18 V 18 V 18 V 18 V	6V 6V	500MA 200MA 200MA 200MA 100MA	85C 85C 85C	150MWF 170MWF 170MWF 170MWF	1500K 1M 1M	25/75 100MN 50/150 25/75 90TP	50MA		085 085 085	ASY29 ASY27 ASY27 ASY27 ASY27	2N1304 2N1305 2N1305 2N1305 2N1305	
2N363 2N364 2N365 2N366 2N367	PG NG NG NG	T022 T022 T022	L04 L37 L37 L37 L04	30V 30V 30V	30V	6V 2V 2V 2V 10V	100MA 50MA 50MA 50MA	85C 85C 85C		1M 20 1200K 20 1500K 20	P 19MN	1 M A 1 M A 1 M A	ALC RLC RLC ALC	089 089 089	AC Y17 AS Y29 AS Y29 AS Y29 AC Y17	2N1176 2N1304 2N1304 2N1304 2N1304 2N1176	0
2N368 2N369 2N370 2N370/33 2N371	PG PG PG	T022	L37 L37 L07 OBS L07	30V 20V 24V		10V 10V 1V5 0V5 1V5	50MA 50MA 10MA 10MA	75C 85C 85C	150MWF 150MWF 80MWF 80MWF 80MWF	600K 12M 3 12M 3	P 107TP	1MA	RL(	089 RCU 089	AC125 AC125 AF124 AF124 AF124	2N406 2N406 2N990 2N990 2N990	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	F C MIN	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2N371/33 2N372 2N372/33 2N373 2N374	PG PG PG PG	08S 107 08S 107 107	08S L07 08S L07 L07	24V 2CV 24V 2OV 2CV		0V5 1V5 0V5 1V5 1V5	1 0 M A 1 C M A 1 O M A 1 O M A	85C 85C 85C 85C 85C	80MWF 8CMWF 80MWF 80MWF 80MWF	12M 12M 12M 12M 12M	3 P 3 P 3 P 3 P 3 P	97TP 60TP 97TP 60TP 60TP	1 M A 1 M A 1 M A 1 M A 1 M A	RLG RLG RLG RLG RLG	RCU OBS RCU	AF124	2N990 2N990 2N990 2N990 2N990	00000
2N375 2N376 2N376A 2N377 2N377A	PG PG PG NG	T03 T03 T03 T05 T05	L05 L05 L05 L04 L04	80V 50V 50V 25V 40V	60V 40V 40V 20V	46V 10V 10V 15V 15V	3 A 3 A 3 A 200 M A 200 M A	95C 100C 100C 100C 100C	90WC 90WC 90WC 150MWF 150MWF	100K 100K 3M	30P 30P	35/90 35/120 35/120 20/60 20/60	1A 700MA 700MA 30MA 30MA	AHH AHG AHG RMS RMS		ASZ16 ASZ16 ASY29	2N1533 2N1536 2N1536 2N1304 2N1304	0 0 0
2N378 2N379 2N380 2N381 2N332	PG PG PG PG	T03 T03 T03 T05	L05 L05 L05 L04 L05	40V 8CV 60V 50V 50V	20V 40V 30V 25V 25V	20 V 20 V	5A 5A 5A 400MA 400MA	100C 100C 100C 85C 85C	50 WC 50 WC 50 WC 225 M WF 225 M WF	1 M 1 M	40P 40P	15/40 20/70 30/70 35/65 60/95	2A 2A 2A 50MA 20MA	AMG	MOB MOB MOB MOB	ASZ15	2N1536 2N1533 2N1536 2N1176 2N1176	00000
2N383 2N384 2N384/33 2N385 2N385A	PG PG PG NG NG	T05 T044 CBS T05 T05	L 05 L 36 DBS L 04 L 04	50V 40V 40V 25V 40V	25 V 40 V 40 V 25 V 15 V	20 V 0V 5 0V 5 15 V 15 V	400MA 10MA 10MA 200MA 200MA	100C 100C	225MWF 120MWF 120MWF 150MWF 150MWF	2 M 4 O M 4 O M 2 M 3 M	40 P 4P 4P 30 P 20 P	75/120 25/175 25/175 30/110 30/110	20MA 1MA 1MA 30MA 30MA	AMG RLG RLG RMS	RCU OBS OBS	ACY17 AF124 AF124 ASY29 ASY29	2N1176 2N990 2N990 2N1304 2N1304	0 0 0 0
2N386 2N387 2N388 2N388 2N388A 2N389	PG PG NG NG	08S 08S 105 105 08S	OBS OBS LO4 LO4 OBS	60V 80V 25V 40V 60V	60 V 80 V 20 V	15V 15V 10V	3A 3A 200MA 200MA 2A	10 CC 10 0C 10 0C 10 0C 20 0C	12WC 12WC 150MWF 200MWF 85WC	7M 5M	30P	20MN 20MN 60/180 60/200 12/60	2A 2A 30MA 30MA 1A	AHH AHH RMS RMS AHG	08S T1B T18	ASY29	2N1533 2N1533 2N1304 2N1304 2N3055	0 0 0 0 0
2N389/1 2N389A/1 2N389A/1 2N392 2N393	NS NS NS PG PG	0BS 0BS 0BS 103 0BS	OBS OBS OBS LC5 OBS	60 V 60 V 60 V 60 V	60v 60v 60v	10V 10V 10V 40V 6V	3A 3A 3A 5A 50MA	200C 200C 200C 95C 100C	85WC 85WC 85WC 48WC 25MWF	1M 1M 25 M	7P	12/60 12/60 12/60 60/150 20MN	1 A 1 A 1 A 3 A 5 GMA	AHG AHG AHG AHG RLG	08 S 08 S 08 S	BD Y20	2N3055 2N3055 2N3055 2N1536 2N990	0 0 0 0
2N 394 2N 394A 2N 395 2N 396 2N 396A	PG PG PG PG	105 105 105 105 105	L04 L04 L04 L04	30V 30V 30V 30V 30V	10V 20V	20V 20V 20V 20V 20V	200MA 200MA 200MA 200MA 200MA	85C 85C 100C 100C	150 MWF 150 MWF 200 MWF 200 MWF 200 MWF	4M 3 M 2 M 4 M 4 M	24P 24P 24P 24P 20P	20/150 30/120 20/150 30/150 30/150	10MA 10MA	RMS RMS RMS RMS RMS	OBS RCU SEU	ASY27 ASY27 ASY27 ASY27 ASY27	2N1 305 2N1 305 2N1 305 2N1 305 2N1 305	00000
2N397 2N398 2N398A 2N398B 2N399	PG PG PG PG	105 105 105 105 103	L04 L04 L04 L04 L05		105V 105V 40V	20V 50V 50V 75V	2004A 100MA 200MA 200MA 3A	100C 85C 100C 100C 90C	200 MWF 50 MWF 150 MWF 250 MWF 25 WC	400K 400K 400K	24P	40/150 20MN 20MN 20MN 20/50	10MA 5MA 5MA 5MA 2A	ALH ALH	RCU RCU RCU	ASY27 BSV68 BSV68 BSV68 ASZ16	2N1 30 5 2N349 7 2N349 7 2N349 7 2N1 536	0 0 0 0
2N4CO 2N4C1 2N4O2 2N4O3 2N4O4		T03 T03 T05 T05 T05	L05 L05 L04 L04 L04	50V 25V 25V 25V		10V 10V 12V	3A 3A 150MA 200MA 100MA	950 900 850 850 850	35WC 25WC 180MWF 180MWF 150MWF	200K 150K 250K 400K 6M		50MN 40MN 25TP 35TP 40TP	1 M A	ALG AMG	08S 08S 08S	ASZ16 ASZ16 ACY17 ACY17 ASY27	2N1536 2N1536 2N1176 2N1176 2N1305	0 0 0 0
2N4C4A 2N4O5 2N4O6 2N4O7 2N4O8	PG PG PG PG	T044 T01 X01	L04 L36 L02 L03 L02	40V 20V 20V 20V 20V	18v	25 V 2 V 5 2 V 5 2 V 5 2 V 5 2 V 5	150MA 35MA 35MA 70MA 70MA	1000 850 850 850 850	150MWF 150MWF 150MWF 150MWF 150MWF	4 M 300K 300K		35 MN 35 TP 35 TP 65 TP 65 TP	1 M A 1 M A 50 M A	ALG ALG AMG	RCU RCB RCU	A SY27 AC 125 AC 125 AC 128 AC 128	2N1305 2N406 2N406 2N2706 2N2706	0 0 0 0 0
2N4C9 2N410 2N411 2N412 2N413	PG PG PG PG	X01 T01 X01 T01 T05	L C 3 L C 2 L C 3 L C 2 L C 4	13V 13V 13V 13V 30V	18 V	CV5 CV5 OV5 CV5 20V	15MA 15MA 15MA 15MA 200MA	85 C 85 C 85 C 85 C 85 C	80MWF 80MWF 80MWF 80MWF 170MWF	3M M8 M8	20P 20P 18P 18P 24P	48TP 48TP 75TP 75TP 30TP	1 M A 600U A 600UA	<b>KL</b> G	RCU RCU OBS	0C44N 0C44N 0C44N 0C44N ASY27	2N2614 2N2614 2N2614 2N2614 2N1305	0 0 0 0
2N413A 2N414 2N414A 2N414B 2N414C		105 105 105 105 105	L04 LC4 L04 LC4 L04	30 V 30 V 30 V 30 V 30 V	15V 15V 20V	20 V 20 V	200MA 200MA 200MA 400MA 400MA	85C 85C 85C 100C	150MWF 170MWF 150MWF 200MWF 200MWF	3 M	24P 24P 24P	301P 60TP 60TP 60TP 60TP	1 MA 1 MA 1 MA	RMG RMG	RCU OBS OBS	ASY27 ASY27 ASY27 ASY27 ASY27	2N1305 2N1305 2N1305 2N1305 2N1305	0 0 0 0
2N415 2N415A 2N416 2N417 2N418	PG PG	105 105 105 105 105	L04 L04 L04 L04 L05	30V 30V 30V 30V 100V	10V 10V 12V 10V 80V	20 V	50MA 200MA 200MA 200MA 5A	85C 85C 85C 85C 100C	150MWF 150MWF 150MWF 150MWF 25WC	4 M 4 M	50P 20P 20P	80TP 80TP 90TP 140TP 40MN	1MA 10MA	RMS RMS RMS	08 S 08 S 08 S	ASY27 ASY27 ASY27 ASY27 ASY27	2N1305 2N1305 2N1305 2N1305 2N1533	0 0 0 0
2N419 2N420 2N42CA 2N422 2N424	P G P G	T03 T03 T03 T05 OBS	L05 L05 L05 L04 08S	55 V 65 V 90 V 35 V 80 V	45V 45V 70V 20V	12 V 10 V	5A 5A 5A 100MA 2A	100C 100C 100C 85C 20C	25WC 25WC 25WC 150MWF 85WC	200K 200K 200K 350K		9/44 40MN 40MN 50TP 12/60	2A 4A 4A 1MA	AHG AHH AL G	085 085 085	ASZ16 ASZ16 ASZ15 ACY17 BDY20	2N1536 2N1536 2N1533 2N1176 2N3055	0 0 0 0
2N424/1 2N424A 2N424A/1 2N425 2N426	NS NS PG	085 085 C85 T05 T05	08S 08S 08S LC4 LO4	80V 80V 80V 30V 30V	80V 80V 2CV 18V	10V 10V 20V	3A 3A 3A 400MA 400MA	200C 200C 200C 95C 85C	85WC 85WC 85WC 175MWF 175MWF		25P 25P	12/60 12/60 12/60 20/40 30/60	1 A 1 A 1 M A	AHH AHG AHH KMS RMS	08S 08S 08S	BDX11 BDY20 BDX11 ASY27 ASY27	2N3442 2N3055 2N3055 2N1305 2N1305	0 0 0 0
2N427 2N428 2N428A 2N432 2N433	PG PG NS	T05 T05 T05 T05 T05	L04 L04 L04 L04 L04	30V 30V 30V 30V 30V	15V 12V 18V 15V 15V	20v 20v 4v	400MA 400MA 400MA 100MA		170MWF 170MWF 150MWF 150MWF 150MWF	8M 4M 10M		40/80 60MN 20MN 20MN 20MN	1 M A 1 O M A 2 M A	RMS RMS ALG	08S 08S 08S	ASY27 ASY27 ASY27 BF Y50 BF Y50	2N1305 2N1305 2N1305 2N2297 2N2297	0 0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		B MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2N438 2N438A 2N439 2N439A 2N440	NG NG NG NG	105 105 105 105 105	L04 L04 L04 L04 L04	30V 25V 25V 25V 25V	25V 15V	25V 25V 25V 25V 25V	AMOOE AMOOE AMOOE AMOOE	85C 85C 85C 85C 85C	15 CMWF 15 OMWF 10 OMWF 15 OMWF	1500K 3M 3M		20 MN 20 MN 30 MN 30 MN 40 MN	50MA 50MA 50MA 50MA 50MA	RMS RMS RMS	08S 08S 08S	ASY29	2N1304 2N1304 2N1304 2N1304 2N1304	0 0 0 0
2N44CA 2N441 2N442 2N443 2N444	NG PG PG PG NG	T036 T036 T036	L04 L13 L13 L13 L04	25 V 40 V 50 V 60 V 15 V	25V 30V 45V	25V 20V 30V 40V 10V	300MA 4A 4A 4A 25MA	85C 95C 95C 95C 85C	150MWF 50WC 50WC 50WC 150MWF		18 P	40 MN 20 / 40 20 / 40 20 / 40 25 TP	50MA 5A 5A 5A 1MA	AHG AHG	MOB MOB MOB	ADZ12	2N1304 2N1100 2N1100 2N1100 2N2430	0 0 0
2N444A 2N445 2N445A 2N446 2N446A	NG NG NG NG	T05 T05 T05	L04 L04 LC4 L04 L04	40V 15V 30V 15V 30V		10V 10V 10V 10V	25MA 25MA 50MA 25MA 50MA	100C 85C 100C 85C 85C	150MWF 150MWF 150MWF 150MWF 150MWF	1M 2M 4M	28P 32P 28P 30P 28P	60TP	20MA 1MA 20MA 1MA 20MA	RMS RMS	08S 08S 08S	ASY29 ASY29	2N2430 2N1304 2N1304 2N1304 2N1304	0 0 0
2N447 2N447A 2N447B 2N448 2N449	NG NG NG NG	T05 T05 T022	L04 L04 L04 L37 L37	15 V 30 V 25 V 15 V	15V 15V		50MA 50MA 50MA 20MA 20MA	85C 85C 85C 85C 85C	150MWF 150MWF 150MWF 65MWF 65MWF	8M 8 M 2 M	32P 28P 28P 5P	80/300 80/300	1 M A 20 M A 20 M A 1 M A 1 M A	RMS RMS RLG	08S 08S	ASY29 ASY29 ASY29	2N1304 2N1305 2N1304 2N1304 2N1403	0 0 0
2N450 2N451 2N452 2N453 2N454	PG NS NS NS	08S 08S 08S	L C 4 OBS OBS OBS		12V 65V 65V 65V		125MA 5A 5A 5A 5A	85C 150C 150C 150C 150C	150MWF 85WC 85WC 85WC	200K 200K 200K	20P	30MN 16MN 12MN 30MN 15MN	10MA 500MA 500MA 500MA	AHC AHC	0BS 0BS 0BS	BDY20 BDY20 BDY20	2N1305 2N3055 2N3055 2N3055 2N3055	00000
2N456 2N456A 2N456B 2N457 2N457A	PG PG PG	T03 T03 T03	L05 L05 L05 L05	40V 40V 60V	40V 30V 30V 60V 40V	20V 30V 20V	5 A 7 A 7 A 7 A	1000	50W0 90W0 150W0 50W0 90W0	100K 200K		10MN 30/90 30/90 10/30 30/90	5 A 5 A 5 A 5 A	AHC AHC	MOB TIE	ASZ16 ASZ16 ASZ16	2N1536 2N1536 2N1536 2N1536 2N1536	0
2N457B 2N458 2N458A 2N458B 2N459	PG PG PG	T03 T03 T03	L05 L05 L05 L05	80V 80V 80V	40 V 80 V 45 V 45 V 60 V	20V 20V 30V	7 A 5 A 7 A 7 A 5 A	95C 95C 85C	15 CWC 50WC 90WC 150WC 50WC	100K 100K 200K		30/90 10MN 30/90 30/90 20/70	5 A 5 A 5 A 2 A	AHC AHC	085 MOB 085	ASZ16 ASZ16	2N1536 2N1533 2N1536 2N1536 2N1533	0
2N459A 2N460 2N461 2N462 2N463	PG PG PG	T05 T05 OBS	L05 L04 LC4 OBS OBS	45V 45V 40V	60V 35V 35V	100	5A 400MA 400MA 200MA	1000	106W( 225MWF 225MWF 150MWF 50W(	500K 1500K 200K			2 A 1 MA 1 MA 20 0 MA 2 A	AMC AMC	085 085 085	ACY17 AC128	2N1533 2N1176 2N1176 2N2706 2N1536	0 0
2N464 2N465 2N466 2N467 2N468	PG PG PG NG	T05	L04 L04 L04 L04 OBS	45V 35V 35V	30 V 20 V 15 V	12V 12V	100MA 100MA 100MA 100MA 3A	85C 85C 85C	170 MWF 170 MWF 170 MWF 170 MWF 12 WC	500K		14MN 27MN 56MN 112MN 15/80	1 M A 1 M A 1 M A 1 M A	ALC ALC ALC	MOB MOB MOB	ACY17 ACY17 ACY17 ACY17 ACY17 AD161	2N1176 2N1176 2N1176 2N1176 2N4077	0
2N469 2N469A 2N470 2N471 2N471A		T05	L04 L04 L04	30V	30V	27		200C 200C 200C	200MWF 200MWF 200MWF	15M		17TP	1 M A 1 M A 1 M A		G 089	1	2N2297 2N2297 2N2297	0
2N472 2N472A 2N473 2N474 2N474A	NS NS	T05	L04 L04 L04 L04 L04	45V 15V 30V	45V 15V 30V	2 V 2 V 2 V		200C 200C 200C 200C 200C	200MWF 200MWF 200MWF 200MWF 200MWF	8M 15M	5P 20P 5P 5P 20P	6MN 35TP 35TP	1 M A	ALC	0BS 0BS 0BS		2N2297 2N2297 2N2297 2N2297 2N2297	0 0
2N475 2N475A 2N476 2N477 2N478	NS NS NS	T05 T05 T05	L04 L04 L04 L04	45V 15V 30V	45V 15V	2V 2V		200C 200C 200C 200C 200C	200MWF 200MWF 200MWF 200MWF 200MWF	- 8M	20P 16P 16P	45TP	1 M A 1 M A 1 M A 1 M A	ALC	085 085 085	BFY50 BFY50 BFY50	2N2297 2N2297 2N2297 2N2297 2N2297	0 0
2N479 2N479A 2N48C 2N480A 2N481	NS NS NS	105 105 105	L04 L04 L04 L04	30V 45V 45V	45 V	2V	5P 20MA	200C 200C 200C 200C 85C	200MWF 200MWF 200MWF 200MWF 150MWF	8 M 18 M	20 P	70TP 60TP 70TP	1 MA		085 085 085	BFY50 BFY50 BFY50 BFY50 ASY27	2N2297 2N2297 2N2297 2N2297 2N1305	0 0
2N482 2N483 2N484 2N485 2N486	PC	1	L04 L04 L04 L04	12V 12V 12V			20MA 20MA 20MA 10MA	85C 85C 85C	150MWF 150MWF 150MWF 150MWF	4M 3500K	24 P 24 P	60TP 90TP 50TP	1 M A 1 M A 1 M A	RLO	089 089 089	ASY27	2N1305 2N1305 2N1305 2N1305 2N1305	0 0
2N489 2N489A 2N489B 2N490 2N490A	U. U													0.J1	T 116			0 0 0 0 0
2N49CB 2N49CC 2N491 2N491A 2N491B	U. U. U.													01 01	T TIE T TIE T TIE T TIE			0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	I C MAX	T J MAX	P TOT		DB MAX	H FE	H FE BIAS	USE	MFB	EURO EQVT.	USA EQVT.	ISS
2N492 2N492A 2N492B 2N492C 2N493	61 61 61													TLU TLU TLU TLU				00000
2N493A 2N493B 2N494 2N494A 2N494B	01 01 01													T L U T L U T L U T L U T L U	TIE TIE TIE TIB			0 0 0 0
2N494C 2N495 2N495/18 2N496 2N496/18	UJ PS PS PS	TC1 TC18 TC1 TC18	L C 2 L O 1 L O 2 L O 1	25V 25V 10V 10V	25V 25V 10V 10V		50MA 50MA 50MA 50MA	140C 140C 140C 140C	150MWF 150MWF 150MWF 150MWF	8M 8M 7M 12M	12P 12P	9MN 9MN 9MN 15MN	1 MA 1 MA 1 MA 1 5 MA	UJT ALG ALG ALG ALG	TIE 08S 08S 08S 08S	BC177 BC177 BC177 BC177	2N3965 2N3965 2N3965 2N3965	0 0 0 0
2N497 2N497A 2N498 2N498A 2N499	NS NS NS PG	T05 T05 T05 T05 T01	L04 L04 L04 L04 L02	60V 60V 100V 100V 30V	60 V 60 V 100 V 100 V 18 V	8 V 8 V 8 V 8 V 0 V 5	600MA 200MA 600MA 200MA 50MA	175C 200C 175C 200C 85C	800MWF 1WF 800MWF 1WF 45MWF	30M :		12/36 12TP 12/36 12TP 6MN	200MA 200MA 200MA 200MA 2MA	AMG AMG AMH AMG VL A	SGI 08 S SGI 08 S		2N2297 2N2297 2N1893 2N1893 2N990	0 0 0 0
2N499A 2N500 2N501 2N501/18 2N501A	PG PG PG PG	T01 T01 T01 T018 T01	L02 L02 L02 L02	30V 15V 15V 15V	18V 15V 12V 12V 12V	0V 5 0V 5 2V 2V 2V	50MA 50MA 50MA 200MA 50MA	85C 85C 85C 85C 85C	60MWF 50MWF 60MWF 150MWF 60MWF	80M 80M 80M 40M 80M	3P 3P 3P 5P 2P	50 TP 6MN 70 TP 20 TP 95 TP	1 MA 2MA 10MA 10MA 10MA	VLA VLA VLA VLA	0BS 0BS 0BS 0BS 0BS	AF124 AF124 AF124 AF124 AF124	2N990 2N990 2N990 2N990 2N990	0 0 0
2N502 2N502A 2N502B 2N503 2N504	PG PG PG PG	T05 T05 T05 T05 T01	L04 L04 L04 L04 L02	20V 30V 30V 20V 35V	20V 30V 25V	0V5 0V5 0V5 1V	50MA 50MA 100MA 50MA 50MA	85C 100C 85C 85C 85C	60MWF 75MWF 75MWF 40MWF 40MWF	100M 100M 100M 175M 50M	2P 2P 3P 2P 3P5	9MN 15MN 20/80 45TP 16MN	2MA 2MA 2MA 2MA 1MA	VLA VLA VLA VLA RLA	08S 08S 08S 08S 08S	AF124	2N990 2N990 2N990 2N990	0 0 0
2N505 2N506 2N507 2N508 2N508A	PG PG NG PG PG	105 1022 1022 105 105	L04 L37 L37 L04 L04	40V 40V 40V 18V 30V	16V 18V	40V 5V 5V	250MA 100MA 100MA 200MA 200MA	85C 85C 85C 85C 85C	125MWF 50MWF 50MWF 200MWF 200MWF	200K 200K 2M	20P 30P 30P	40TP 40TP 25MN 120TP 120TP	10MA 10MA 10MA 20MA 20MA	RMS ALG ALG AMG AMG	08S 08S 08S 08S M0B	AS Y27 AC125 AC176 ACY17 ACY17	2N1 30 5 2N4 06 2N2430 2N1 176 2N1 176	0 0 0
2N509 2N511 2N511A 2N511B 2N512	PG PG PG PG	T05 X07 X07 X07 X07	L04 L05 L05 L05	30V 40V 60V 80V 40V	30 V 40 V 45 V 30 V	30 V 30 V	40MA 25A 25A 25A 25A	100C 100C 100C 100C	225MWF 150WC 150WC 150WC 150WC	300K 100K 100K 100K 100K		40TP 20/60 20/60 20/60 20/60	10MA 10A 10A 10A 15A	ALG AHG AHG AHG AHG	08S TIB TIB TIB	ACY17	2N1176	0 0 0 0
2N512A 2N512B 2N513 2N513A 2N513B	PG PG PG PG	X07 X07 X07 X07 X07	L05 L05 L05 L05 L05	60V 80V 40V 60V 80V	400	30V 30V	25 A	100C 100C 100C 100C	150WC 150WC 150WC 150WC 150WC	150K 150K		20/60 20/60 20/60 20/60 20/60	15A 15A 20A 20A 20A	AHG AHG				0 0 0 0
2N514 2N514A 2N514B 2N515 2N516	PG PG PG NG	X07 X07 X07 T022 T022	L05 L05 L05 L37 L37	40V 60V 80V 18V 18V	30 V 40 V 45 V 18 V 18 V	30V		100C 100C 100C 75C 75C		200K		20/60 20/60 20/60 4MN 4MN		AHG	TIB TIB OBS	ASY29 ASY29	2N1304 2N1304	0 0 0 0
2N517 2N518 2N519 2N519A 2N520	NG PG PG PG	105	L37 085 L04 L04 L04	18V 45V 15V 25V 15V	18V 15V	30 V 10 V 10 V	10MA 125MA 200MA 25MA 25MA	75C 85C 85C 85C	50MWF 150MWF 200MWF 150MWF 150MWF		24P 24P	4MN 60TP 15MN 35TP 40TP	10MA 1MA 20MA	RLG RMS RMS ALG RLS	08 S 08 S 08 S	ASY29 ASY27 ASY27 ACY17 ASY27	2N1304 2N1305 2N1305 2N1176 2N1305	0 0 0 0
2N520A 2N521 2N521A 2N522 2N522A	PG PG PG PG	T05 T05 T05	L04 L04 L04 L04 L04	25V 15V	8 v	10V 10V 10V 10V	25MA 200MA	85C 85C 85C 85C 85C	150MWF 150MWF 150MWF 200MWF 150MWF	6 M 6 M 8 M	25 P 25 P 25 P	100 TP 35MN 150 TP 120 TP 200 TP	20 MA	RLS RLS RMS	08 S 08 S 08 S	ASY27 ASY27 ASY27 ASY27 ASY27	2N1305 2N1305 2N1305 2N1305 2N1305	0 0 0 0
2N523 2N523A 2N524 2N524A 2N525	PG PG PG PG	105	L04 L04 L04 L04 L04	25 V 40 V 45 V	30V 30V	10V 10V 15V 15V 15V	200MA 500MA 500MA 500MA	85C 100C 100C	200 MWF 150 MWF 225 MWF 225 MWF 225 MWF	10M 18M 1M 2M 1M	25 P 36 P 50 P	200TP 250TP 30TP 23MN 44TP	1 MA 20 MA 1 MA 1 00 MA 1 MA	AMG AMG	OBS	ASY27 ACY17 ACY17	2N1305 2N1305 2N1176 2N1176 2N1176	0 0 0
2N525A 2N526 2N526A 2N527 2N527A	PG PG PG PG	T05 T05 T05	L04 L04 L04 L04 L04	45V	30V 30V 30V	15V 15V 15V 15V 15V	500MA 500MA 500MA 500MA 500MA	100C 100C 100C	225MWF 225MWF 225MWF 225MWF 225MWF	1 M 3 M 2 M		30MN 64TP 47MN 80TP 65MN	100MA 1MA 100MA 1MA 100MA	AMG AMG AMG	SEU OBS SEU	ACY17 ACY17 ACY17 ACY17 ACY17	2N1176 2N1176 2N1176 2N1176 2N1176 2N1176	0 0 0
2N528 2N529 2N530 2N531 2N532	PG PG PG PG	T05 T05 T05	0BS L04 L04 L04 L04	15V 15V 15V	40V			100C 85C 85C 85C 85C	2500MWC 150MWF 150MWF 150MWF 150MWF	1M 1M	28P 28P	20TP 18TP 23TP 28TP 33TP	1MA 1MA	AMG RMS RMS RMS RMS	08S 08S 08S	ASY27 ASY27 ASY27	2N1176 2N1305 2N1305 2N1305 2N1305 2N1305	0 0 0 0
2N533 2N534 2N535 2N535A 2N535B	PG PG PG PG	0BS 105	L04 0BS L04 L04 L04	50 V 20 V 20 V	20V	20V 20V 20V	25MA 20MA 20MA 20MA	8 5C 8 5 C	150MWF 55MWF 85MWF 85MWF 85MWF	1 M 1 M	80P	38TP 100TP 100TP 35MN 35MN	1 MA 1 MA 1 MA	ALG	08S 08S 08S		2N1305 2N406 2N406 2N1176 2N1176	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J XAM	P TOT		B NAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	15:
2N536 2N537 2N538 2N538 A 2N539	PG PG PG PG	T05 0BS 0BS	L 04 L 04 OBS OBS	807	20V 60V 60V 55V	1 V 2 8 V 2 8 V	3500MA 3500MA 3500MA	85C 85C 95C 95C 85C	85 MWF 22 5 MWF 34 WC 34 WC 34 WC	1G 200K 200K	50 P 2P8	100MN 10MN 20/50 20/50 30/75	30MA 10MA 2A 2A 2A	UL A AHH	085 085 085	ASY27 AF239S ASZ15 ASZ15 ASZ15	2N1305 2N1533 2N1533 2N1533	0000
2N53SA 2N540 2N540A 2N541 2N542	PG PG PG NS	085 085 085 105 105	085 085 085 L04 L04	80V 15V	55V 55V 55V 15V 30V	28 V	3500MA 3500MA 3500MA	85C 85C 85C 200C 200C	34WC 34WC 34WC 200MWF 200MWF	200K 200K 18M	5 P 5 P	1	2A 2A 2A 1MA 1MA	AHH AHH ALG	0BS 0BS 0BS	ASZ15 BFY50	2N1533 2N1533 2N1533 2N1533 2N2297 2N2297	
2N542A 2N543 2N543A 2N5444 2N544/33	NS NS NS PG PG	T05 T05 T07	L04 L04 L04 L07 L04	45V 45V 18V	30V 45V 45V	2 V 2 V 2 V 1 V 1 V	10MA 10MA	200C 200C 200C 85C 100C	200 MWF 200 MWF 200 MWF 80 MWF	8M 18M 8M 12M 12M	20P 5P 20P 3P 3P	60TP	1 M A 1 M A 1 M A 1 M A	ALG ALG RLA	OBS OBS RCU	BFY50 BFY50 AF124	2N2297 2N2297 2N2297 2N2297 2N990 2N990	0 0
2N545 2N546 2N547 2N548 2N549	NS NS NS NS	T05 T05 T05	L04 L04 L04 L04 L04	30V 60V 30V	60V 30V 60V 30V	6V 6V	500MA 500MA 500MA 500MA 500MA	200C 200C 200C 200C 200C	5WC 5WC 5WC 5WC	4M1 4M1 4M1	00P 20P 100P 20P 00P	15/80 20/80 20/80	500MA 500MA 500MA 500MA 200MA	AMG AMH AHG	OBS OBS OBS	BFY50 BSW66 BFY50	2N1893 2N2297 2N1893 2N2297 2N1893	
2N550 2N551 2N552 2N553 2N554	NS NS NS PG PG	105 105 103	L04 L04 L04 L05 L05	60V 30V 80V	30V 60V 30V 40V 30V	6V 6V 40V	500MA 4A 3A	200C 200C 200C 95C 90C	5 W C 5 W C 5 W C 35 W C 40 W C	3 M I 3 M I 400 K	00P 100P 100P	20/80	200MA 50MA 50MA 500MA 500MA	AMH AMG AHG	08S 08S 08S	BSW66 BFY50 ASZ16	2N2297 2N1893 2N2297 2N1536 2N1536	0
2N555 2N556 2N557 2N558 2N559	PG NG NG NG PG	T05 T05 T05	L05 L04 L04 L04 OBS	25V 20V 15V	300	15V 15V 10V 15V 5V	200MA 200MA 200MA 50MA	900 850 850 850 1000	40WC 100MWF 100MWF 100MWF 150MWF		6P	50MN 35/70 20MN 60MN 25MN	500MA 1MA 1MA 1MA 10MA	RMS RMS RMS	08S 08S	ASY29 ASY29 ASY29	2N1536 2N1304 2N1304 2N1304	1
2N560 2N561 2N563 2N564 2N565	NS PG PG PG	T03 T05 T05	0BS L05 L04 L04 L04	ı	65 V 25 V 25 V 25 V	100	100MA 5A 300MA 300MA 300MA	100C 85C 85C 85C	500MWF 50WC 150MWF 120MWF 150MWF	100K 300K 300K	8P 60P 60P	20MN 20/50 10/30 10/30 30/50	100MA 4A 1MA 1MA	AHH AMG AMG	RCU OBS OBS	A S Z 1 5 A C Y 1 7 A C Y 1 7	2N731 2N1533 2N1176 2N1176 2N1176	
2N566 2N567 2N568 2N569 2N570	PG PG PG PG	T05 T05 T05	L04 L04 L04 L04 L04	30V 30V 30V	25V 25V 25V 25V 25V	10V 10V 10V	300MA 300MA 300MA 300MA 300MA	85C 85C 85C 85C 85C	12 CMWF 15 OMWF 12 OMWF 15 OMWF 12 OMWF	500K 500K 800K		30/50 50/70 50/70 70/100 70/100	1 MA 1 MA 1 MA 1 MA 1 MA	AMG AMG	08S 08S 08S	ACYL7 ACYL7 ACYL7	2N1176 2N1176 2N1176 2N1176 2N1176	
28571 28572 28573 28574 28574A	PG	T05 T05	L04 L04 L04 OBS OBS		25V	25 V 28 V	300MA 300MA 250MA 10A	100C 100C	150MWF 120MWF 200MWF 187WC 187WC	1200K 75K		100MN 100MN 30/300 9/22 9/22	.50MA 10A	AMG AHG	08 S 08 S 08 S	ACY17 ACY17 ACY17 ASZ16 ASZ15	2N1176 2N1176 2N1176 2N1176 2N1536 2N1533	
2N575 2N575A 2N576 2N576A 2N577	PG PG NG NG PH	08 \$ 105	0BS 0BS L04 L04	80V 20V	50V 55V	28V 28V 15V 15V	25A 25A 400MA 400MA	100C 100C 85C 85C	187WC 187WC 200MWF 200MWF	100K 3M	30P 30P		25A 25A 400MA 400MA	AHG RMS	08S 08S 08S	ASY29 ASY29	2N1304 2N1304	
2N578 2N579 2N580 2N581 2N582	PG PG PG PG	105 105 105	LC4 LO4 LO4 LO4 LC4	20V 20V 20V 18V 25V	15V 15V	12V 12V 12V 10V 12V	400MA 400MA 400MA 100MA 100MA	85C 85C 85C 85C 85C	120MWF 120MWF 120MWF 150MWF 150MWF	2M 3M 6M 3 M 8M	20 P 20 P	10MN 20MN 30MN 20MN 40MN	400 MA 400 MA 400 MA 20 MA 20 MA	RMS RMS RMS	RCU RCU RCU	ASY27 ASY27 ASY27 ASY27 ASY27	2N1305 2N1305 2N1305 2N1305 2N1305	0
2N583 2N584 2N585 2N586 2N587	PG PG NG PG NG	T01 T05 T07	L02 L02 L04 L03 L04	18V 25V 25V 45V 40V	14V 15V 25V	10V 12V 20V 12V 40V	100MA 100MA 200MA 250MA 200MA	85C 85C 85C 85C 85C	120MWF 120MWF 120MWF 250MWF 200MWF	3 N 8 N 2 N	20 P	20 MN 40 MN 20 MN 35 MN 20 MN	20 MA 20 MA 20 MA 25 0 MA 2 00 MA	RMS RMS AMG	RCU RCU RCU	ASY27 ASY27 ASY29 AC128 AC176	2N1305 2N1305 2N1304 2N1304 2N2706 2N2430	0 0 0
2N588 2N588A 2N589 2N591 2N591/5	PG PG	TO1 TO1 TO3 TO1 TO5	L02 L02 L05 L02 L04	15V 15V 10CV 32V 32V	50 v 32 v	0V5 0V5 50V	50MA 3A 20MA 100MA	85C 35C 100C 85C 85C	4 CMWF 60MWF 50WC 50MWF 55MWF	60 M 60 M 300K 200K 200K	3 P 3 P	20MN 30MN 20/40 70TP 70TP	10MA 10MA 3A 2MA 2MA	VL A AHH	08S 08S 08S	AF124 AF124 ASZ15 AC125 AC125	2N990 2N990 2N1533 2N406 2N406	0 0 0
2N592 2N593 2N594 2N595 2N596	NG NG	T05	L04 L04 L04 L04 L04	20V 35V 20V 20V 20V	25V 20V 15V 10V	20V 20V	300MA 300MA 300MA	1000	125MWF 125MWF 150MWF 150MWF 150MWF	100K 120K 1M 2M 4M		20 MN 30 TP 20 MN 3 5 MN 50 MN		ALG ALG RMB RMB RMB	08S 08S 08S	AC125 AC125 ASY29 ASY29 ASY29	2N406 2N406 2N1304 2N1304 2N1304	0
2N597 2N598 2N599 2N600 2N601	PG PG PG	T05 T05 T05 OBS OBS	L C 4 L O 4 L C 4 O B S O B S	45 V 35 V 36 V 35 V 35 V		45V 30V 20V 30V 30V	500MA 500MA 500MA 500MA 500MA	1000	250MWF 250MWF 250MWF 750MWF 750MWF	2 M 2 M 1 O M 5 M 1 O M	20P 20P	40MN 50MN 75MN 70/225 100MN	100MA 200MA 200MA 100MA	AMG	08 S 08 S 08 S	ACY17 ACY17 ASY27	2N1176 2N1176 2N1305	0
2N602 2N602A 2N603 2N603A 2N604	PG PG PG	105 105 105 105 105	L04 L04 L04 L04 L04	20V 35V 30V 30V 30V	25 V 20 V 20 V 20 V	1 V 2 V	10MA 10MA 10MA 10MA	85C 85C 85C 85C	120MWF 120MWF 120MWF 120MWF 120MWF	5M 5M 15M 15M 25M	8P 7P 6P 6P 6P	20/80 20/80 30/100 30/100 40/140	50 0U A	RLG RLG RLG	0BS 0BS 0BS		2N990 2N990 2N990 2N990 2N990	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	I C MAX	T J MAX	P TOT	T	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2N604A 2N605 2N606 2N607 2N608	PG PG PG PG	T05 T05 T05 T05 T05	L04 L04 L04 L04 L04	30V 15V 15V 15V	20V 15V 15V 15V	2V5	10#A	85 C 85 C 85 C 85 C 85 C	120MWF 120MWF 120MWF 120MWF 120MWF	25№	5 P	40/140 40TP 60TP 80TP 120TP	500UA 1MA 1MA 1MA	RLG ALG ALG ALG ALG	08S 08S 08S 08S 08S	AF124 AC125 AC125 AC125 AC125	2N990 2N406 2N406 2N406 2N406 2N406	00000
2N609 2N610 2N611 2N612 2N613	PG PG PG PG	T05 T05 T05 T05 T05	L 04 L 04 L 04 L 04 L 04	25V 25V 25V 25V 25V	15V 15V 15V 15V	10V 1CV 1CV 1OV 1OV	200MA 200MA 200MA 150MA 200MA	85C 85C 85C 85C	180MWF 180MWF 180MWF 180MWF 180MWF	700K 600K 400K 200K 350K	70P 70P 70P	90TP 65TP 45TP 25TP 35TP	100MA 100MA 100MA 1MA 1MA	AMG AMG AMG ALG ALG	08S 08S 08S 08S 08S	ACY17 ACY17 ACY17 AC125 AC125	2N1176 2N1176 2N1176 2N1176 2N406 2N406	00000
2N614 2N615 2N616 2N617 2N618	PG PG PG PG	T05 T05 T05 T05 T03	L04 L04 L04 L04 L05	20 V 20 V 20 V 20 V 80 V	15V 15V 15V 15V	1 CV 1 OV 1 OV 1 OV 4 OV	150MA 150MA 150MA 150MA 3A	85C 85C 85C 85C 95C	125MWF 125MWF 125MWF 125MWF 90WC	600K 1 M 2 M 1500K 100K		5TP 8TP 25TP 15TP 60/140	500UA 500UA 500UA 500UA	RLG RLG RLG RLG AHH	08S 08S 08S 08S MOB	0C44N 0C44N 0C44N 0C44N ASZ15	2N2614 2N2614 2N2614 2N2614 2N1533	00000
2N619 2N620 2N621 2N622 2N623	NS NS NS NS PG	<b>T</b> 05	L04	50V 50V 50V 50V 30V	35V 30V 30V 30V 15V	1٧	50MA 50MA 20MA	160C 160C 160C 160C 85C	175MWF 175MWF 175MWF 40CMWF 40MWF	100K 100K 100K 100K 40M		9/22 18/44 36/88 25TP 36TP	5MA 5MA 5MA 5CUA 1MA	ALG ALG ALG ALG RLG	08S 08S 08S 08S 08S	BC107 BC107 BC107 BFY50 AF124	A157 A157 A157 2N2297 2N990	0 0 0
2N624 2N625 2N626 2N627 2N628	PG NG NG PG PG	08S T08 08S T03 TC3	08S L12 08S L05 LC5	30V 40V 30V 40V 6CV	30 v 45 v	30V 30V 20V	10MA 500MA 3A 10A 10A	100C 100C 90C 100C 100C	100MWF 2WC 10WC 90WC 90WC	50K 100K 100K	3P	20MN 20MN 18KMN 10/30 10/30	2MA 500MA 1A 10A 10A	RLG AHG AHD AHG AHG	08S 08S 08S 08S 08S	AF124 AD161 ASZ16 ASZ16	2N990 2N4077 2N1536 2N1536	0 0 0 0
2N629 2N630 2N631 2N632 2N633	PG PG PG PG	T03 T05 T05 T05 T05	L05 LC4 L04 LC4 L04	80V 100V 25V 30V 32V	60V 60V 18V 24V 20V	40V 50V 6V 6V	10A 100MA 100MA 100MA	100C 100C 85C 85C 85C	90 WC 50 WC 170 MWF 170 MWF 170 MWF	100K		10/30 10/30 150TP 120TP 60TP	10A 10A 10MA 50MA 50MA	AHH AHH RMS RMS AMG	08S 08S 08S 08S 08S	ASZ15 ASZ15 ASY27 ASY27 ACY17	2N1533 2N1533 2N1305 2N1305 2N1176	00000
2N634 2N634A 2N635 2N635A 2N636	NG NG NG NG	T05 T05 T05 T05 T05	L04 L04 L04 L04 L04	20V 25V 20V 25V 20V	15V 20V 15V 20V 15V	15V 25V 15V 25V 15V	300MA 300MA 300MA 300MA 300MA	85 C 85 C 85 C 85 C 85 C	150MWF 150MWF 150MWF 150MWF 150MWF	3 M 3 M 5 M 5 M	20P 20P	15 MN 40MN 25MN 40MN 35MN	200MA 10MA 200MA 10MA 200MA	RMS RMS	08S 08S 08S 08S 08S	ASY29 ASY29 ASY29 ASY29 ASY29	2N1304 2N1304 2N1304 2N1304 2N1304	0 0 0 0
2N636A 2N637 2N637A 2N637B 2N638	NG PG PG PG	T05 T03 T03 T03 T03	L04 L05 L05 L05 L05	25V 60V 90V 100V 60V	15V 30V 55V 65V 30V	25V	300MA 5A 5A 5A 5A	85 C 1 00 C 1 00 C 1 00 C 1 00 C	150MWF 60WC 60WC 60WC 60WC	84	20P	100MN 30/60 30/60 30/60 20/40	10MA 3A 3A 3A 3A	R MS AHG AHG AHH AHG		ASY29 ASZ16 ASZ16 ASZ16 ASZ15 ASZ16	2N1304 2N1536 2N1536 2N1533 2N1536	0 0 0
2N638A 2N638B 2N639 2N639A 2N639B		1	L05 L05 L05 L05 L05	90 V 100 V	55V 65V 40V 70V 80V		5 A 5 A 5 A	100C 100C	60 hC 60 wC 37 wC 37 hC 37 wC			20/40 20/40 15/30 15/30 15/30	3 A	AHH	08S 08S 08S	ASZ15 ASZ16 ASZ16 ASZ15 ASZ15	2N1533 2N1536 2N1536 2N1533 2N1533	0 0 0 0
2N640 2N641 2N642 2N643 2N644	PG PG PG PG	107 107 105	L07 L07 L07 L04 L04	30V 30V 30V 30V		1 V 1 V 1 V 2 V 2 V	10MA 10MA 10MA 100MA	85C 85C 85C 85C 85C	80MWF 80MWF 80MWF 120MWF 120MWF	20M 20M 20M 15M 20M	3 P 3 P 4 P	60TP 60TP 60TP 20MN 20MN	1MA 1MA 1CMA	RLA RLA RLG	RCU RCU RCU	AF124 AF124 AF124 AF124 AF124	2N990 2N990 2N990 2N990 2N990	0 0 0 0
2N645 2N646 2N647 2N647/22 2N649	PG NG NG NG	T01 T022	L04 L02 L02 L37 L02	30V 25V 25V 25V 20V	25 V 25 V	1	100MA 50MA 50MA 50MA 50MA	85 C	120MWF 100MWF 100MWF 180MWF 100MWF		4P	20MN 50/150 70TP 70TP 65TP	50MA 50MA	AMG AMG AMG	08 S R C U 0 8 S	AF124 AC176 AC176 AC176 AC176	2N990 2N2430 2N2430 2N2430 2N2430	0 0 0 0
2N649/22 2N650 2N650A 2N651 2N651A	NG PG PG PG	T05 T05 T05	L37 L04 L04 L04 L04	20V 45V 45V 45V 45V	18V 30V 30V 30V 30V	30V 30V 30V	50MA 500MA 500MA 500MA 500MA	100C 100C 100C	180MWF 200MWF 200MWF 200MWF 200MWF	600K	20 P 25 P 20 P 25 P	33MN	10MA 10MA	AMG AMG AMG	08S 08S 08S	AC176 ACY17 ACY17 ACY17 ACY17	2N2430 2N1176 2N1176 2N1176 2N1176	0 0 0
2N652 2N652A 2N653 2N654 2N655	PG PG PG PG	T05 T05 T05	L04 L04 L04 L04	45V 45V 30V 30V 30V	30 v 30 v 25 v 25 v 25 v	30V 25V 25V	500MA 500MA 250MA 250MA 250MA	100C 100C 100C	200MWF 200MWF 200MWF 200MWF 200MWF	600K	20P 25P 20P 20P 20P	80MN 20MN 40MN	1 OMA	AMG AMG	0 8 S 0 B S 0 B S	ACY17	2N1176 2N1176 2N1176 2N1176 2N1176	0 0 0 0
2N656 2N656A 2N657 2N657A 2N659	NS NS NS PG	T05 T05 T05	L 04 L 04 L 04 L 04 L 04		60 V 60 V 100 V 100 V	V8 V8 V8	600MA 600MA 600MA 600MA	175C 200C	800MWF 1WF 800MWF 1WF 210MWF	401	20P 20P 24P	30/90 30/90 30/90	200MA	AMG AMH AMH	08S SGI 08S	BFY50 BFY50 BSW66 BSW66 ASY27	2N2297 2N2297 2N1893 2N1893 2N1305	0 0 0 0
2N658 2N660 2N661 2N663 2N662	PG PG PG PG	T05 105 103	L04 L04 L04 L05 L04	30 V 30 V 30 V 50 V 30 V	14V 9V 25V	12V 12V 12V 20V 12V	1A 1 A 1 A 4 A 1 A	85C 85C 100C	21 0MWF 210MWF 210MWF 35 hC 21 0MWF	6M 8M 150M	24P 24P 24P	60/150 80MN 25/75		RMS RMS AHG	08 S 08 S 08 S	ASY27 ASY27 ASY29 ASZ16 ASY27	2N1305 2N1305 2N1305 2N1305 2N1536 2N1305	0 0 0 0
2N665 2N669 2N670 2N671 2N672	PG PG PG PG	T03	L05 L05 L04 L04 L02		40 V		5A 3A 2A 2A	100C 85C 85C	35WC 63WC 300MWF 800MWC 300MWF	300k	(	40/80 75/250 40/250 40/250 40/250		AHG AHG AHG	MO8 08S	ASZ16 ASZ16 ACY17 ACY17 ACY17	2N1536 2N1536 2N1176 2N1176 2N1176	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	Р ТОТ		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ıss
2N673 2N674 2N675 2N676 2N677	PG PG PG PG	T05 T05 OBS	LC4 LO4 LC4 OBS LC5	25 V 75 V 75 V 30 V 50 V	20 <b>v</b>	25 V 70 V 70 V 30 V	2A 2A 2A 3A 15A	85C 85C 85C 90C	80CMWC 300MWF 800MWC 10WC 9CWC	200K 200K 200K 50K		40/250 40/250 40/250 15KTP 20/60	400MA 1A 1A 1A	AHG AHH AHH AHD AHG	08S 08S 08S	ACY17 ACY17 ACY17 ASZ16	2N1176 2N1176 2N1176 2N1176	0 0 0 0
2N677A 2N677B 2N677C 2N678 2N678A	PG PG PG PG	T03 T03 T03 T03	L05 L05 L05 L05 L05	60 V 90 V 100 V 50 V 60 V	30v 60v 70v 30v 40v		15A 15A 15A 15A 15A	100C	90WC 90WC 90WC 90WC			20/60 20/60 20/60 50/100 50/100	10A 10A 10A 10A 10A	AHG AHH AHH AHG AHG	08 S 08 S 08 S	ASZ16 ASZ15 ASZ15 ASZ16 ASZ16	2N1536 2N1533 2N1533 2N1536 2N1536	0 0 0 0
2N687B 2N678C 2N679 2N680 2N681	PG PG NG PG TH	T03 T03 T05 T05	LC5 LO5 LO4 LO4	90V 100V 25V 20V	70 v 80 v 20 v 20 v		15A 200MA 100MA	100C 50V 85C 75C	9 CWC 90WC 150MWF 150MWF	1 M		50/100 50/100 20MN 18/165	10A 10A 30MA 50MA	AHH AHH RMS AMG THY	08S	ASZ15 ASZ15 ASY29 ACY17	2N1533 2N1533 2N1304 2N1176	0 0 0 0
2N682 2N683 2N684 2N685 2N686	TH TH TH TH													1HY 1HY 1HY 1HY	SEU SEU SEU SEU SEU			0 0 0 0
2N687 2N688 2N689 2N690 2N691	TH TH TH TH													THY THY THY THY	SEU SEU SEU SEU SEU			0000
2N692 2N694 2N695 2N696 2N696A	TH PG PG NS NS	08S 1072 105 105	085 LC6 LO4 LC4	30V 15V 60V 60V	15 v 15 v 40 v 35 v	1 V 3 V 5 5 V	50MA 50MA 500MA	100C 100C 175C 300C	100MWF 75MWF 600MWF 800MWF	125M 40M 40M	2P 6P 35P	10MN 25MN 20/60 20/60	2 MA 1 C MA 150 MA 150 MA	AMG	0 B S S G I	AF124 AF106 BFY50 BFY50	2N990 2N2297 2N2297	0 0 0 0
2N697 2N697A 2N698 2N699 2N699A	NS NS NS NS	105 105 105 105 105	L04 L04 L04 L04 L04	120V 120V	40V 35V 60V 80V 80V	5V 5V 7V 5V 7V	500MA 500MA 500MA 500MA 500MA	300C 175C 175C	60CMWF 800MWF 800MWF 600MWF 800MWF	50M 40M 50M	35P 35P 13P 20P 20P	40/120 40/120 20/60 40/120 40/120	150MA 150MA 150MA 150MA 150MA	AMG AMG AMH	08 S S G I S G I	BFY50 BFY50 BFY50 BSW66 BSW66	2N2297 2N2297 2N2297 2N1893 2N1893	0 0 0 0
2N699B 2N700 2N700A 2N700/18 2N700A/18	PG PG PG PG	T072 T072 T018	L C4 L O6 L O6 L O1 L O1	120V 25V 25V 25V 25V	80V	7V 0V2 0V2 0V5 0V2	50MA 50MA	100C 100C	870 MWF 75 MWF 75 MWF 75 MWF 75 MWF	60M 400M 400M 400M 400M	15P 2P 2P 2P 2P	40/120 10TP 4MN 10TP 4MN	15 CMA 2 MA 2 MA 2 MA 2 MA	ULA ULA	08 S 08 S 08 S	BSW66 AF239S AF239S AF239S AF239S	2N1893	0 0 0 0
2N702 2N703 2N705 2N705A 2N706		T018 T018 T018 T018	L01 L01 L01 L01	25V 25V 15V 15V 25V	25V 25V 20V	5V 3V5 3V5	50MA	175C 100C 100C	300MWF 300MWF 300MWF 150MWF 300MWF			20/60 40/100 25MN 25MN 20MN	10MA 10MA	AF2	MOB T I B OBS	BSX20 BSX20 AF106 AF106 BSX20	2N2 36 9 2N2 36 9 2N2 36 9	0 0 0 0
2N706/46 2N706/51 2N706A 2N706A/46 2N706A/51		085 T018 T046	L01 0BS L01 L01 0BS	25V 25V 25 V 25 V 25 V	20V 20V 15V 15V 15V	3 V 3 V 5 V 5 V 5 V	200MA 200MA 200MA 200MA 200MA	150C 175C 175C	400MhF 300MWF 300MWF 400MWF 300MWF	200 M	6P 6P 5P 5P	20MN 20MN 20/60 20/60 20/60	10MA 10MA 1CMA	RLS RLS RLS	08S SGI 08S	BSX20 BSX20 BSX20 BSX20 BSX20 BSX20	2N2369 2N2369 2N2369 2N2369 2N2369	0 0 0 0
2N706B 2N706B/46 2N706B/51 2N706C 2N706C/46	NS NS	T046 0BS T018	L01 085 L01 L01	25V 25V 25V 40V 40V	15V 15V 15V 15V 15V	5V 5V 5V 5V	200MA 200MA 200MA 200MA 200MA	175C 175C 200C	300MWF 400MWF 300MWF 360MWF 400MWF	200 M 200 M 200 M 200 M 200 M	5 P 5 P 5 P 5 P	20/60 20/60 20/60 20/60 20/60	10MA 1CMA 10MA	RLS RLS	08S 08S 08S	BSX20 BSX20 BSX20 BSX20 BSX20	2N2369 2N2369 2N2369 2N2369 2N2369	0 0 0 0
2N706C/51 2N707 2N707A 2N708 2N708/46	NS NS	1018	08S L01 L01 LC1 L01	40V 56V 70V 40V 40V	15V 25V 40V 15V 15V	5V 4V 5V 5V	200MA 200MA 200MA 200MA 200MA	175C 175C 200C	300MWF 300MWF 300MWF 300MWF 360MWF	200M 200M 200M 300M 300M	5 P 5 P 8 P 6 P	20/60 9MN 9/50 30/120 30/120		RLG RLS RLS	SGI OBS SGI	BSX20 BSW64 BSW64 BSX20 BSX20	2N2369 2N2222A 2N2222A 2N2369 2N2369	
2N708/51 2N708A 2N709 2N709/46 2N709A	NS NS	T046	08S L01 LC1 L01 LC1	40V 50V 15V 15V 15V	15V 20V 6V 6V	5V 5V 4V 4V	200MA 200MA 200MA 200MA 200MA	200C 175C 200C	36CMWF 360MWF 300MWF 400MWF 300MWF	300M 300M 600M 600M 800M	6 P 6 P 3 P 3 P	30/120 40/120 20/120 20/120 30/90	10MA 10MA 10MA	R LS UL S ULS	OBS SGI OBS	BSX20 BSW64 BSX20 BSX20 BSX20	2N2369 2N2222A 2N2369 2N2369 2N2369	0000
2N709A/46 2N709A/51 2N710 2N710A 2N711	NS PG PG	T046 085 T018 T018 T018	F01 F01 F01 F01	12V 15V	6V 6V		50MA		400MWF 300MWF 300MWF 300MWF 150MWF	120M 120M	3P 3P 10P 10P	30/90 30/90 25MN 25MN 20MN	10MA 10MA 10MA	ULS VLS VLS	OBS RCU OBS	BSX20 BSX20 ASZ21 ASZ21 ASZ21	2N2 36 9 2N2 36 9 2N8 38 2N8 38	0 0 0 0
2N711A 2N711B 2N715 2N716 2N717	NS NS	1018	LC1 LC1 LC1 LC1	500	7V 7V 35V 40V 28V	2 V 5 V 5 V	100MA 100MA 500MA	100C 175C 175C	150MWF 150MWF 500MWF 500MWF 400MWF	150M 70M 70M	6P 6P 6P 6P 35P	10/50	10MA 15MA 15MA	VLS RMG RMG	MOB OBS OBS	ASZ21 ASZ21 BSW64 BSW64 BSX33	2N22224 2N22224 2N731	
2N717A 2N718 2N718A 2N719 2N719A	NS NS	T018 T018		60V	32V 28V 32V 60V	5V 7V 5V	500MA 500MA 500MA 500MA	175C 175C	400MWF 400MWF 500MWF 500MWF 500MWF	50M 60M 60M	25P 20P	20/60 40/120 40/120 20/60 20/60	150MA 150MA 150MA	AMG AMG AMH	FCU SGI SGI		2N731 2N731 2N731 2N731 2N3700 2N3700	0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	I C MAX	T J MAX	Р ТОТ	F <sub>T</sub> (	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2N720 2N720A 2N721 2N721A 2N722	NS NS PS PS PS	T018 T018		120V 120V 50V 50V 50V	60V 80V 35V 35V 35V	5V 7V 5V 5V 5V	500MA 500MA 500MA 500MA 500MA	175C 200C	500MWF 500MWF 400MWF 500MWF 400MWF	50M 50M 50M	20P 15P 45P 40P 45P	40/120 40/120 25/45 20/45 30/90	150MA 150MA 150MA 150MA 150MA	AMH AMH AMS AMS AMG	SG I 08 S	BSW24 BSW24 BSW24	2N3700 2N3700 2N2907A 2N2907A 2N2907A	0
2N722A 2N725 2N726 2N727 2N728	PS PG PS PS	T018 T018 T018 T018 T018	L01 L01 L01 L01	50 V 1 5 V 25 V 25 V 1 5 V	35V 20V 20V 15V	5 V 2 V 5 V 5 V 3 V	500MA 50MA 50MA 50MA	100C	500MWF 150MWF 300MWF 300MWF 300MWF	300M 140M 140M	45P 5P 5P 16P	30/90 20MN 15/45 30/120 20/200	150MA 10MA 10MA 10MA 10MA	AMS VLA ALG ALG RMS	OBS FEB FEB	BSW24 AF106 BC177 BC177 BSW64	2N2907A 2N3965 2N3965 2N2222A	0 0 0
2N729 2N730 2N731 2N734 2N734A	NS NS NS NS	T018 T018 T018 T018 T018	L01 L01 L01 L01	30V 60V 60V 80V 80V	30V 40V 40V 60V 60V	3V 5V 5V 5V	1A 1A 100MA 100MA	175C 200C 200C 175C 200C	300MWF 500MWF 500MWF 500MWF 500MWF	40 M 50 M 60 M	16P 35P 35P 10P 10P	20/200 40MN 80MN 15/50 15/50	10MA 150MA 150MA 5MA 5MA	RMS AMG ALG RLA RLA	TIB TIB OBS	BSW64 BSX33 BSX33 BSW64 BSW64	2N2222A 2N731 2N731 2N2222A 2N2222A	0 0
2N735 2N735A 2N736 2N736A 2N736B	NS NS NS NS	TC18 TC18 TC18 TC18 TC18	L01 L01 L01	80V 80V 80V 80V 80V	60V 60V 60V	5V 5V 5V 5V	1 A 1 A 1 A 1 A	175C 200C 200C 200C 200C	500MWF 500MWF 500MWF 500MWF	60M 60M 60M	10P 10P 10P 10P	30/100 30/100 60/200 60/200 60/200	5MA 5MA 5MA 5MA 5MA	AMH AMH AMH AMH AMH	MOB. MOB MOB	BSW64 BSW64 BSW64 BSW64 BSW64	2N2222A 2N2222A 2N2222A 2N2222A 2N2222A	0 0
2N738 2N738A 2N739 2N739A 2N740	NS NS NS NS	T018 T018 T018 T018	F01 F01 F01	125V 125V 125V	80V 80V 80V 80V	5V 5V 5V 5V	1 A 1 A 1 A 1 A	200C 200C 200C 200C 200C	500MWF 500MWF 500MWF 500MWF 500MWF	30 M	10P 10P 10P 10P	15/50 15/50 30/100 30/100 60/200	5MA 5MA 5MA 5MA 5MA	AMH AMH AMH AMH AMH	OBS MOB MOB	B SW64 B SW64 B SW64 B SW64 B SW64	2N2222A 2N2222A 2N2222A 2N2222A 2N2222A	0 0
2N740A 2N741 2N741A 2N742 2N742A	NS PG PG NS NS	TO18 TO18 TO18 TO18	L01 L01 L01 L01	125V 15 V 20 V 60 V 60 V	80 V 15 V 20 V 60 V 60 V	5V 1V 1V 8V 8V	1A 100MA 100MA 100MA	ı	500MWF 150MWF 150MWF 500MWF	60M 180M 300M	10P	60/200 10MN 10MN 20MN 20MN	5MA 5MA 5MA 100MA 100MA		MOB MOB OB S	BSW64 AF106 AF106 BSW64 BSW64	2N 22 22 A 2N 22 2 2 A 2N 2 2 2 2 A	0 0
2N743 2N743/46 2N743/51 2N744 2N744/46	NS NS NS NS	T018 T046 085 T018 T046	L01 08S L01 L01	20 V 20 V 20 V 20 V 20 V	12V 12V 12V 12V 12V	5V 5V 5V 5V	200MA 200MA 200MA 200MA 200MA	175C 175C 175C	300MWF 400MWF 300MWF 300MWF 400MWF	280M 280M 280M 280M 280M	5P 5P 5P 5P	20/60 20/60 20/60 40/120 40/120	10MA 10MA 10MA 10MA 10MA	RMS RLS RLS	08S 08S SGI	B SX20 BS X20 BS X20 B S X20 B S X20	2N 236 9 2N 236 9 2N 236 9 2N 236 9 2N 236 9	0 0 0 0
2N744/51 2N745 2N746 2N747 2N748	NS NS NS NS	T018 T018 T018 T018 T018	L01 L01 L01 L01	20 V 45 V 45 V 30 V 30 V	12V 30V 30V 30V 30V	. 5V	200MA 20MA 20MA 20MA	175C 175C 175C 175C 175C	300MWF 150MWF 150MWF 200MWF 200MWF	280M 10M 10M 10M 10M	5P	40/120 20/55 45/150 30/90 20/40	10MA 10MA 10MA 10MA 10MA	RLG RLG RLS	08S 08S 08S	BSX20 BSW64 BSW64 BSW66 BSW66	2N 236 9 2N 2222A 2N 2222A 2N 2222A 2N 2222A	000
2N749 2N751 2N752 2N753 2N753/46	NS	1018 1018 1018 1018 1018	L01 L01 L01 L01	25 V	25V 20V 45V 15V 15V	5V 5V	20MA 20MA 100MA 200MA 200MA	175C	200MWF 200MWF 500MWF 30CMWF 400MWF	200₽		15/55 30/150 40/120 40/120 40/120	1MA 10MA	RLG RMS RMS	08 S 08 S SG I	BSW66 BSW66 BSW66 BSX20 BSX20	2N2222A 2N2222A 2N2222A 2N2369 2N2369	0
2N753/51 2N754 2N755 2N756 2N756A	NS NS NS	08S 1018 1018 1018 1018	0BS L01 L01 L01 L01	45V	15V 60V 100V 45V 60V	5V 3V 3V 6V 6V		175C 175C 200C	300MWF 300MWF 300MWF 500MWF 500MWF	20 M 20 M 50 M	1 0 P 10 P	20/80 20/80	5MA 1MA	R L G R L H R L G	08 S 08 S	BSW66	2N2 369 2N 2222 A 2N 3019 2N 2 22 2 A 2N 222 2 A	0
2N757 2N757A 2N758 2N758A 2N758B	NS	TC18 TO18 TO18	L01 L01 L01		45V 60V 45V 60V 60V	6V 6V 8V 8V	100MA 100MA 100MA 100MA	200C 200C 200C	500 MWF 500 MWF 500 MWF 500 MWF 500 MWF	50M 50M 50M 50M 50M	8 P 8 P 8 P	18/40 20/40 18/90 35/65 18MN	1MA 1MA 1MA	RLG RLG RLG	08S 08S 08S	BSW66 BSW66 BSW66 BSW66 BSW66	2N2 22 2A 2N2 22 2A 2N 22 2 2A 2N 22 2 2A 2N2 22 2A	0 0
2N759 2N759A 2N759B 2N760 2N760A	NS NS	T018 T018 T018 T018 T018	L01 L01 L01 L01		45V 60V 60V 45V 60V	8V 8V 8V 8V	AMOOI AMOOI AMOOI AMOOI	200C 200C 175C	500MWF 500MWF 500MWF 300MWF 500MWF	50M 50M 50M	8 P 8 P	36/90 25MN 76/333	1MA 1MA 1MA	RLG RLG RLG	280 280 192	BSW66 BSW66 BSW66 BSW66 BSW66	2N2222A 2N2222A 2N2222A 2N2222A 2N2222A	000
2N760B 2N761 2N762 2N764-67 2N768	NS NS NS TH PG	T018	L01 L01 L01		60 V 30 V 30 V	67	100MA 100MA 100MA	200C 200C	500MWF 500MWF 500MWF 35MWF	50M 50M	8P 8P	20/55 45/150	10MA 10MA	RLS RLS THY	08S	B SW66 B SW66 B SW66	2N 22 2 2 A 2N 2 2 2 2 A 2N 2 2 2 2 A 2N 9 9 0	4 o
2N769 2N770 2N771 2N772 2N773	NS NS	105	L 01 L 04 L 04 L 04	20V 20V 25V	7 V 15 V 15 V 25 V 15 V		100MA 100MA 100MA 100MA	150C 150C 150C	35MWF 150MWF 150MWF 150MWF 150MWF	75M 100M 75M		25MN 12/60 30/150 20MN 4/16	20MA 20MA 10MA	RM S RM S	OBS OBS OBS		2N990 2N3014 2N3014 2N3014 2N3014	0 0 0
2N774 2N775 2N776 2N777 2N778	NS NS	T05	L04 L04 L04 L04	20V 20V 20V	15V 15V 15V 15V 15V		100MA 100MA 100MA 100MA	150C 150C 150C	150MWF 150MWF 150MWF 150MWF	100M 100M 100M		7/30 20/80 4/16 7/30 20/80	1MA 1MA 1MA	RMG	OBS OBS		2N 30 14 2N 30 14 2N 30 14 2N 30 14 2N 30 14	0 0 0 0
2N779 2N779A 2N779B 2N780 2N781	PG NS	T018 T018 T018 T018 T018	L01 L01 LC1 L01	15V 15V 45V	15V 15V 45V 15V		100MA	100C 175C	60MWF 6CMWF 150MWF 30CMWF	320 M 320 M 60 M	3 P 3 P	50/200 50/200 50/200 35/140 25/65	10MA 10MA 500UA	VLS VLS ALG	08 S 08 S 08 S	AF106 AF106 AF106 BC107 BSW25	2N964 2N964 2N964 A157 2N3546	0 0 0

TRANSISTOR NUMBER	PM OA 'LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	F C	OB	H FE	H FE BIAS	USE	MFR	EURO EQV T.	USA EQVT.	153
2N782 2N783 2N784 2N784A 2N784A/51	PG NS NS NS	T018 T018 T018 T018	L01 L01 L01 L01 08S	15V 40V 30V 40V 40V	12V 20V 15V 15V	2V5 5V 5V 5V 5V	200MA 200MA 200MA 200MA 200MA	100C 175C 175C 200C 200C	150MWF 300MWF 300MWF 350MWF 360MWF	200M 200M 300M 300M	3P5 3P5		1 CMA 10 MA 10 MA 10 MA	RLS RLS RLS	FCU FCU OBS	BSW25 BSX20 BSX20 BSX20 BSX20	2N3 546 2N2 36 9 2N2 36 9 2N2 36 9 2N2 36 9	0 0 0 0
2N784A/46 2N785 2N789 2N790 2N791	PG NS NS	T046 0BS T05 T05 T05	L01 0BS L04 L04 L04	40V 12V 45V 45V 45V	30V 30V 30V 30V	5 V	200MA 50MA 25MA 25MA 25MA	200C 85C 175C 175C 175C	360MWF 50MWF 150MWF 150MWF	300M 1 M 2 M 8 M	3P 5	20/150 40TP 9MN 18MN 18MN	10MA 1MA 1MA 1MA 1MA	RLS VLA ALA ALA ALA	08 S 08 S 08 S 08 S 08 S	AF124 BCY32 BCY32	2N2369 2N990 2N1475 2N1475 2N1475	0 0 0 0
2N792 2N793 2N794 2N795 2N796	NS NS PG PG PG	T05 T05 T018 T018 T018	L04 L04 L01 L01 L01	45V 45V 13V 13V 13V	30V 30V 12V 12V 12V	1V 4V 4V	25MA 25MA 100MA 100MA 100MA	175C 175C 85C 85C 85C	150MWF 150MWF 150MWF 150MWF 150MWF	50M	16P 16P 16P	36MN 76MN 30 MN 50MN 50MN	1 MA 1 MA 1 OMA 1 OMA 1 OMA	RLS	OBS OBS RCU RCU RCU	BCY32 AF124 AF124	2N1475 2N1475 2N990 2N990 2N990	0 0 0 0
2N797 2N799 2N800 2N801 2N802	NG PG PG PG	TO18 OBS OBS OBS OBS	L01 0BS 0BS 0BS 0BS	20V 25V 25V 30V 30V	7V 12V 12V 18V 18V	, 4V	150MA 100MA 100MA 400MA 400MA	10 0C 85 C 85 C 85 C 85 C	15 OMWF 75MWF 75MWF 75MWF 75MWF	600 M 4 M 4 M	6 P	40/120 30/90 30/90 30/60 30/60	10MA	RLS RLS RLS	08S 08S 08S	BSX20 ASY27 ASY27 ASY27 ASY27	2N2369 2N1305 2N1305 2N1305 2N1305	0 0 0 0
2N803 2N804 2N805 2N806 2N807	PG PG PG PG	085 085 085 085 085	OBS OBS OBS OBS	30V 30V 30V 30V 25V	15V 15V 12V 12V 14V		400MA 400MA 100MA 400MA 100MA	85C 85C 85C 85C 85C	75MWF 75MWF 75MWF 75MWF 76MWF	14M		40/80 40/80 60MN 85TP 40MN	10MA 10MA 10MA 100MA 20MA		0BS 0BS 0BS	ASY27 ASY27 ASY27 ASY27 ASY27	2N1305 2N1305 2N1305 2N1305 2N1305	0 0 0
2N808 2N809 2N810 2N811 2N812	PG PG PG PG	OBS OBS OBS OBS	08S 08S 08S 08S 08S	25 V 30 V 30 V 30 V 30 V	14V 15V 15V 12V 12V		100MA 200MA 200MA 200MA 200MA	85 C 85 C 85 C 85 C 85 C	70MWF 75MWF 75MWF 75MWF 75MWF	14M 3M 3M 5M 5M		40MN 25/110 25/110 45/180 45/180	20MA 25MA 25MA 45MA 45MA	RLS RMS RMS RMS RMS	OBS OBS OBS	ASY27 ASY27 ASY27 ASY27 ASY27	2N1305 2N1305 2N1305 2N1305 2N1305	0 0 0
2N813 2N814 2N815 2N816 2N817	PG PG NG NG	OBS OBS OBS OBS	085 085 085 085 085	30V 30V 25V 25V 30V	10v 10v 15v 15v 15v		200MA 200MA 200MA 1A 400MA	85C 85C 85C 85C 85C	75MWF 75MWF 75MWF 75MWF 75MWF	15M 15M		55/220 55/220 60/180 60/180 20MN	55MA 55MA 30MA 30MA 50MA	RMS RMS RMS RMS RMS	0BS 0BS 0BS	ASY27 ASY27 ASY29 ASY29 ASY29	2N1305 2N1305 2N1304 2N1304 2N1304	0 0 0 0
2N818 2N819 2N820 2N821 2N821	2	08S 08S 08S 08S 08S	085 085 085 085 085	30V 30V 30V 30V 30V	15 v 20 v 20 v 25 v 25 v		400MA 400MA 400MA 400MA 400MA	85C 85C 85C 85C 85C	75MWF 75MWF 75MWF 75MWF 75MWF			20MN 30MN 30MN 40MN 40MN	50MA 50MA 50MA 50MA 50MA	RMS RMG	08S 08S 08S	ASY29 ASY29 ASY29 ASY29 ASY29	2N1304 2N1304 2N1304 2N1304 2N1304	0 0 0 0
2N823 2N824 2N825 2N826 2N827	PG PG	08S 08S 08S 08S T018	085 085 085 085 LC1	25V 30V 30V 30V 20V	12V 18V 20V 20V 15V	4 V	100MA 100MA 200MA 200MA 100MA	85C 85C 85C 85C 100C	75MWF 70MWF 70MWF 70MWF 150MWF	4M 2M 2M 2M 125M	7P	40MN 30/150 30/150 30/150 100MN	10MA 10MA 10MA	RMS RMS	08S 08S 0BS	ASY29 ASY27 ASY27 ASY27 BSW25	2N1304 2N1305 2N1305 2N1305 2N1305 2N3546	0 0 0 0
2N828 2N828A 2N829 2N834 2N834/46	PG PG NS	TO18 TO18 TO18 TO18 TO46	L01 L01 L01 L01	15V 15V 15V 40V 40V	15V 30V 30V	2 V 5 2 V 5 2 V 5 5 V 5 V	200MA 200MA 200MA 200MA 200MA	100C 100C 175C	150MWF 150MWF 150MWF 300MWF 360MWF	150 M 150 M 150 M 350 M 350 M	7P 7P 7P 4P 4P	25MN 50MN 25MN 25MN 25MN		VMS VMS RLS	0BS 0BS SGI	BSW25 BSW25 BSW25 BSX20 BSX20	2N3546 2N3546 2N3546 2N2369 2N2369	0 0 0 0
2N834/51 2N834A 2N835 2N835/46 2N835/51	NS NS	08S T018 T018 T046 08S	08S L01 LC1 L01 08S	40V 40V 25 V 25 V 25 V	30V 15V 20V 20V 20V	5V 5V 3V 3V	200MA 200MA 200MA 200MA 200MA	175C 175C 200C	30 CMWF 36 0MWF 30 0MWF 36 0MWF 30 0MWF	350 N 500 M 300 M 300 M 300 M	4P 4P 4P 4P	25MN 25MN 20MN 20MN 20MN	10MA 10MA 10MA	VLS RLS RLS	SGI FCU OBS	BSX20 BSX20 BSX20 BSX20 BSX20	2N2369 2N2369 2N2369 2N2369 2N2369	0 0 0 0
2N837 2N838 2N839 2N840 2N841	PG NS NS	T018 T018 T018 T018	L01 L01 LC1 LC1 L01	12V 30V 45V 45V 45V	6V 15V 45V 45V 45V	1V 2V5 2V 2V 2V	100MA 100MA 50MA 50MA 50MA	100C 175C 175C	150MWF 150MWF 300MWF 300MWF 300MWF		16P	25MN 25MN 15/50 30/100 60/400	10MA	VLS ALG ALG	MOB OBS OBS	BC107 BC107 BC107	2N838 2N838 A157 A157 A157	0 0 0 0
2N841/46 2N841/51 2N842 2N843 2N844	NS NS NS	T046 085 TC18 T018 T018	L 01 OBS LC1 L01 L01	45V 45V 45V 45V 60V	45V 45V 45V 45V 60V	2.V 2.V 2.V 2.V 3.V	50MA 50MA 50MA 50MA 50MA	175C 175C 175C	300MWF 300MWF 300MWF 300MWF 300MWF	40M 30M 40M	16P 12P 15P	60/400 60/400 20/55 45/150 40/120	1 0MA 10MA 10MA	ALG ALG ALG	OBS OBS OBS	BC107 BC107 BC107 BC107 BC107	A157 A157 A157 A157 A157 2N929	0 0 0 0
2N845 2N846 2N846A 2N846B 2N847	PG PG PG	T018 T018 T018 T018 OBS	LC1 L01 L01 L01 OBS	100 V 15 V 15 V 15 V 20 V	80V 15V 15V 15V	3٧	50MA 50MA 100MA 100MA 50MA	100C 100C 100C	300MWF 60MWF 60MWF 150MWF 20CMWF	25M 320M 320M 320M 600M	12P	40/120 25/125 20/125 20/125 20/60	10MA 10MA 10MA	VLS VLS VLS	08 S 08 S 08 S	BSX21	2N2896 2N960 2N960 2N960 2N960 2N2369	0 0 0 0
2N848 2N849 2N850 2N851 2N852	NS NS NS	08S 08S 08S 08S 08S	08S 08S 08S 08S 08S	40V 25V 25V 20V 20V	25V 15V 15V 12V 12V		50MA 50MA 50MA 200MA 200MA	175C 175C 175C	200MWF 300MWF 300MWF 300MWF 300MWF	600M 600M 600M M00E M00E		40/120 20/60 40/120 20/60 40/120	10MA 10MA 10MA	VLS VLS VLS	08S 08S 08S	BSX20 BSX20 BSX20 BSX20 BSX20 BSX20	2N2369 2N2369 2N2369 2N2369 2N2369	0 0 0 0
2N858 2N859 2N860 2N861 2N862	PS PS PS	T018 T018 T018 T018 T018	L01 L01 L01 L01 L01	40V 40V 25 V 25 V 30 V	40V 25V 25V	25V 25V 20V 20V 30V	50MA 50MA 50MA	140C 140C 140C 140C 140C	150MWF 150MWF 150MWF 150MWF 150MWF	6 M 7 M 8 M	10P 10P 10P 10P		5MA 5MA 5MA	ALS ALS ALS	08S 08S 08S	BSW24 BSW24 BSW24 BSW24 BSW24	2N2907A 2N2907A 2N2907A 2N2907A 2N2907A	0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	Р ТОТ		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2N863 2N864 2N864A 2N865 2N865	PS PS PS	T018 T018 T018 T018 T018	L01 L01 L01 L01 L01	15V 6V 6V 10V	15V 6V 6V 6V 10V	10V 6V 6V 10V	50MA 50MA 50MA 50MA 50MA	140C 140C 140C 140C 140C	150MWF 150MWF 300MWF 150MWF 300MWF	16M 16M 24M	10P 10P	25/100 20/100 20/250 45/125 45/400	5MA 5MA 5MA 5MA 5MA	ALS ALS ALS ALS ALS	OBS	1	2N2907A 2N2907A 2N2907A 2N2907A 2N2907A	00000
2N866 2N867 2N869 2N869A 2N870	NS NS PS PS NS	T05 T05 T018 T018	L04 L04 L01 L01 L01	30V 30V 25V 25V 100V	20V 20V 18V 18V 60V	5V 5 V 7 V	300MA 300MA 100MA 200MA 500MA	175C 175C 175C 175C 175C	500MWF 500MWF 360MWF 360MWF 500MWF	40M 50 M 100 M 400 M 50 M	9 P 6 P 15 P	15/45 30/90 20MN 40/120 40/120	150MA 150MA 10MA 30MA 150MA	RMG RMG ALG VLS AMH	SG I	BSW54 BSW24	2N2219A 2N2219A 2N2907A 2N3546 2N1990R	0
2N871 2N876-901 2N902 2N903 2N904	NS TH NS NS NS	TO18 OBS OBS OBS	08S 08S 08S	100V 45V 45V 45V	30V 30V 30V	7V	500MA 25MA 25MA 25MA	175C 175C 175C 175C	500MWF 150MWF 150MWF 150MWF	60M 1M 2M 8M	15P	100MN 9/20 18/40 18/90	150MA 1MA 1MA	AMH THY RLA RLA RLA	SG I OBS OBS OBS	BSW64	2N1990R 2N2222A 2N2222A 2N2222A	0
2N905 2N906 2N907 2N908 2N909	NS NS NS NS	08S 08S 08S 08S 1018	08S 08S 08S 08S L01	45V 45V 45V 45V 60V	30V 30V 30V 30V 30V	5V	25MA 25MA 20MA 20MA 200MA	175C 175C 175C 175C 175C	150MWF 150MWF 150MWF 150MWF 500MWF	2M 2M 25M 25M 50 M	25 P	36/88 78/330 20/55 45/150 110MN	1MA 1MA 10MA 10MA 50MA	RLA	08S 08S 08S 08S SGI	BSW64 BSW64 BSW64 BSW64 BSX33	2N2222A 2N2222A 2N2222A 2N2222A 2N731	0
2N910 2N911 2N912 2N913 2N914	NS NS NS NS	T018 T018 T018 T018	L01 L01 L01 L01	100V 100V 100V 25V 40V	60 V 60 V 60 V	7 V 7 V 7 V 5 V 5 V	200MA 100MA 100MA 200MA	1750 1750 1750 1750 1750	500MWF 500MWF 500MWF 360MWF 360MWF	ı	15P 15P 15P 12P 6P	75 MN 35 MN 15 MN 75 TP 30 / 120	10MA 10MA 10MA 10MA	ALH ALH RLG RLS	SGI SGI SGI OBS SGI	BSX21 BSX21 BSX21 BC107 BSX20	2N1990R 2N1990R 2N1990R A157 2N2369	
2N914A 2N914/46 2N914/51 2N915 2N915A	NS NS NS NS	T018 T046 OBS T018 T018	L01 08S L01 L01	40 V 40 V 40 V 70 V 70 V	15V 15V 15V 50V	5 V 5 V 5 V 5 V	200MA 200MA 200MA 200MA 200MA	200C 175C 175C 175C 200C	360MWF 360MWF 360MWF 360MWF 360MWF	300M 300M 300M 250M 600M	6P 6P 6P 4P 4P	30/120 30/120 30/120 50/200 50/250	1 0MA 10MA 10MA 10MA 1 0MA	RLS RLS RLS RLG VLH	OBS SGI	BSX20 BSX20 BSX20 BSW64 BSW64	2N 236 9 2N 236 9 2N 236 9 2N 222 2A 2N 222 2A	
2N916 2N916A 2N916B 2N917 2N917A	NS NS NS NS	T018 T018 T018 T072 T072	L01 L01 L06 L06	45V 45V 45V 30V 30V	25 V 25 V 25 V 15 V 15 V	5 V 5 V 5 V 3 V 3 V	100MA 100MA 100MA 50MA 50MA	175C 200C 200C 200C 200C	360MWF 360MWF 1200MWC 200MWF 200MWF	300M 300M 500M 500M 600M	6P 1P7	50/200 50/200 50/200 20/200 20/200	1 0MA 10MA 10MA 3MA 3MA	RLG RLG RLG VLA VLA		1	2N2222A 2N2222A 2N2222A 2N918 2N918	
2N917/46 2N917/51 2N918 2N918/46 2N918/51	NS NS NS NS	T046 0BS T072 T046 0BS	L01 0BS L06 L01 0BS	30V 30V 30V 30V 30V	15V 15V 15V 15V 15V	3 V 3 V 3 V 3 V	50MA 50MA 50MA 50MA 50MA	200C 200C 200C 200C 200C	400MWF 300MWF 200MWF 400MWF 300MWF	500M	1P7 1P7 1P7	20/200 20/200 20MN 20MN 20MN	3 MA 3 MA 3 MA 3 MA 3 MA	VLA VLA VLA VLA	FCU	BFX73 BFX73 BFX73 BFX73 BFX73	2N918 2N918 2N918 2N918 2N918	0 0 0 0
2N919 2N920 2N921 2N922 2N923	NS	T018 T018 T018 T018 T018	L01 L01 L01 LC1 L01	25 V 25 V 50 V 50 V 40 V	15V 15V 20V 20V 25V		220MA 220MA 200MA 200MA 50MA	200C	360MWF 360MWF 360MWF 360MWF 250MWF	200M	9 P		1 CMA	RMS	OBS OBS OBS	85W64 BSW64 BSW64 BSW64 BC177	2N2222A 2N2222A 2N2222A 2N2222A 2N2222A 2N3965	0
2N924 2N925 2N926 2N927 2N928	PS PS	T018 T018 T018 T018	L01 L01 L01 L01	40V 50V 50V 70V 70V	40V	50 V 70 V	50MA 50MA 50MA	200C 200C 200C 200C 200C	250MWF 250MWF 250MWF 250MWF 250MWF	800K 800K 800K 800K 800K	20 P 20 P 20 P	24/60 10/25 20/55 8/22 18/50	1MA 1MA 1MA	AL A AL A	OBS GBS OBS	BC177 BC177 BC177 BC177 BC177	2N3965 2N3965 2N3965 2N3965 2N3965	0 0 0
2N929 2N929/51 2N929A 2N930 2N930/46	NS NS NS NS		L01 0BS L01 L01	45V 45V 60V 45V 45V	45V 45V 45V 45V 45V	5V 5V 6V 5V 6V	30MA 50MA 30MA	200C 200C 200C 200C 200C	300MWF 300MWF 500MWF 300MWF 400MWF	30M 30M 45M 30M 30M	6P 6P 6P		1 0UA 1 0UA 10UA	ALN ALN ALN	OBS NAT SGI	BC109 BC109 BC109 BC109 BC109	2N930 2N930 2N930 2N930 2N930	0 0 0 0
2N930/51 2N930A 2N930A/46 2N930A/51 2N930B	NS NS	08S T018 T046 08S T018	08S L01 L01 08S L01	45V 60V 60V 60V 60V	45V 45V 45V 45V	5V 6V 6V 6V	50MA 50MA 50MA	200C 200C 200C 200C 200C	300MWF 500MWF 400MWF 150MWF 500MWF	30 M 45 M 45 M 45 M	6P 6P 6P	100MN 100MN 100MN 100MN 100MN	1 GUA 1 OUA 1 OUA	ALN ALN ALN	OBS OBS	BC109 BC109 BC109 BC109 BC109	2N930 2N930 2N930 2N930 2N930	0 0 0 0
2N934 2N935 2N936 2N937 2N938			L01 L01 L01 L01	13V 50V 50V 50V 40V	35V 30V	20V	50MA	85C 175C 175C 175C 175C	150MWF 385MWF 385MWF 385MWF 250MWF	100K 150K 200K	70P	40MN 9/22 18/44 36/88 9/22	1MA 1MA 1MA	ALA ALA	08 S 08 S 08 S	BSW25 BSW24 BSW24 BSW24 BSW24	2N 3546 2N 2907A 2N 290 7A 2N 290 7A 2N 290 7A	0
2N939 2N940 2N941 2N942 2N943	PS PS	T018 T018	L01 L01 L01 L01	40V 40V 25V 25V 40V	35V 8V 8V	40V 40V 25V 25V 40V	50MA		250MWF 250MWF 250MWF 250MWF 250MWF	2M 16 M 10 M	14P 14P 14P 14P	30 TP 36/88 10MN 10MN 10MN	1MA 1MA 1MA	ALA ALA ALA	OBS OBS OBS	BSW24 BSW24 BSW24 BSW24 BSW24	2N2907A 2N2907A 2N2907A 2N2907A 2N2907A	0 0
2N944 2N945 2N946 2N947 2N948-51	PS	T018 T018 T018	L01 L01 L01	40V 50V 80V 20V	18V 50V 80V 15V	50V 80V	50MA	175C 175C 175C 175C	250MWF 250MWF 250MWF 360MWF	1 1 1	14P 14P 14P 8P		1MA 1MA	ALA ALA	08 S 08 S SG I	8SW24 8SW24 8SW24 8SW24	2N2907A 2N2907A 2N2907A 2N2369	0
2N955 2N955A 2N956 2N957 2N958	NG NS NS	T018 T018 T018 T018 T018	L01 L01 L01 L01		8V 8V 32V 20V 15V	2V 7V 5V	100MA 150MA 500MA	100C	150MWF 150MWF 500MWF 250MWF 250MWF	500 M 70 M 200 M	6 P 2 5 P 6 P	30MN	30MA 150MA 10MA	ULS AMG VLS	RCU SGI OBS	BS X20 BS X20 BS X33 BS X20 BS X20	2N2 369 2N2 369 2N7 31 2N2 369 2N2 369	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2N959 2N960 2N960/46 2N961 2N961/46	NS PG PG PG	T018 T018 T046 T018 T046	L01 L01 L01 L01 L01	25V 15V 15V 12V 12V	15V 15V 15V 12V 12V	2V5 2V5 2V 2V	100MA 100MA 100MA 100MA	150C 100C 100C 100C	250MWF 150MWF 150MWF 150MWF	200M 300M 300M 300M 300M	4 P 4 P 4 P 4 P	40 MN 20MN 20 MN 20 MN 20 MN	10MA 10MA 10MA 10MA	VLS VLS VLS VLS	TIB CBC TIB	BSX20 BSW25 BSW25 BSW25 BSW25	2N236 9 2N3 546 2N3 546 2N3 546 2N3 546	0 0 0 0
2N962 2N962/46 2N963 2N964 2N964/46	PG PG PG PG	T018 T046 T018 T018 T046	L01 L01 L01 L01 L01	12V 12V 12V 15V 15V	12V 12V 12V 15V 15V	1 V3 1 V3 1 V3 2 V 5 2 V 5	100MA 100MA 100MA 150MA 150MA	100C 100C 100C 100C 100C	15 CMWF 15 CMWF 15 CMWF 15 CMWF 15 CMWF	300 M 300 M 250 M 300 M 300 M	4 P 4 P 5 P 4 P 4 P	20MN 20MN 20MN 40MN 40MN	10MA 10MA 10MA 10MA 10MA	VLS VLS VLS VLS	OBS RCU TIB	BSW25 BSW25 BSW25 BSW25 BSW25	2N3546 2N3546 2N3546 2N3546 2N3546	0 0 0 0
2N964A 2N965 2N966 2N967 2N968	PG PG PG PG	T018 T018 T018	L01 L01 L01 L01 L01	15 V 12 V 12 V 12 V 15 V	15V 12V 12V 12V 15V	2V5 2V 1 V 2 V 2 V 5	100MA 150MA 150MA 150MA 200MA	100C 100C 100C 100C	150MWF 150MWF 150MWF 150MWF 150MWF	300 M 300 M 300 M 250 M 300 M	4P 4P 4P 5P 8P	40 MN 40 MN 40 M N 40 M N 17 M N	10MA 10MA 10MA 10MA	VLS VLS VLS VLS	TIB TIB RCU	BSW25 BSW25 BSW25 BSW25 BSW25	2N3546 2N3546 2N3546 2N3546 2N3546	0 0 0
2N969 2N970 2N971 2N972 2N973	PG PG PG PG	T018 T018 T018	LC1 LC1 LC1 LC1 LC1	12V 12V 7V 15 V 12V	12V 12V 7V 15V 12V	2V 1V3 1V3 2V5 2V	200MA 200MA 200MA 200MA 200MA	100C 100C 100C 100C 100C	150MWF 150MWF 150MWF 150MWF 150MWF	300M 300M 300M 300M 300M	8 P 8 P 8 P 8 P	17MN 17MN 17MN 40MN 40MN	1 CMA 1 OMA 1 OMA 1 OMA 1 OMA	VLS VLS VLS VLS	08 S 08 S	BSW25 BSW25 BSW25 BSW25 BSW25	2N3 546 2N 3546 2N 3 546 2N 3 546 2N 3 546	0 0 0 0
2N974 2N975 2N976 2N977 2N978	PG PG PG PS	T018 T018 T018	LC1 LC1 LC1 LC1 LC1	12V 7V 15V 15V 30V	12V 7V 10V 10V 20V	1V3 1V3	200MA 200MA 100MA 100MA 500MA		150MWF 150MWF 100MWF 150MWF 38CMWF	300M 300M 250M 400M 40M	8P 8P 3P 3P 45P	40MN 40MN 30MN 50MN 15/60	10MA 10MA 20MA 40MA 150MA	VLS VLS VLS AMG	08 S 08 S 08 S	BSW25	2N3546 2N3546 2N3546 2N3546 2N2907/	0 0 0 0
2N979 2N980 2N981 2N982 2N983	PG PG NS PG	T018 T018 T018	LC1 L01 L01 L01	20 V 20 V 80 V 20 V 15 V	15V 12V 80V 15V 15V	2 V 2 V 8 V 2 V 2 V	100MA 100MA 100MA 100MA 100MA	100C 175C	60MWF 60MWF 500MWF 60MWF 60MWF	100M 50M		30MN 30MN 36/100 50MN 40MN	1 GMA 10 MA 1 MA 10 MA 10 MA	VLS ALG VLS VLS	OBS NAT OBS	•	2N3546 2N3546 A157 2N3546 2N3546	0 0 0 0
2N984 2N985 2N986 2N987 2N988	PG PG PH PG NS	T018	L01 L01 L06 LC1	15V 15V 40V 20V	10V 7V 40V 10V	2 V 3 V 1 V 3 V	100MA 200MA 10MA 200MA	100C 75C	60MWF 150MWF 86MWF 300MWF	175M 150M 50M 300M	12 P 4 P	50MN 40MN 40MN 20/120	10MA 10MA 1MA 10MA	VLS VLS PHT RLA RMG	OBS MUB	BSW25 AF124	2N3546 2N3546 2N990 2N2222	0 0 0 0
2N989 2N990 2N991 2N992 2N993	NS PG PG PG	T018 T018 T072 T072	L01 L06 L06 LC1	20V 20V 20V 20V 20V	10V 20V 20V 20V 20V	3V 1V 1V 1V	200MA 10MA 10MA 10MA	175C 75C 75C 75C 75C	300MWF 67MWF 67MWF 67MWF	300 M 44 M 44 M 44 M 44 M	5 P 5 P 5 P	20/200 40MN 40MN 40MN 40MN	10MA 1MA 1MA 1MA	R MG VLA VLA VLA VLA	AMP OBS OBS	AF124 AF124 AF124	2N22221 2N990 2N990 2N990 2N990	0 0 0 0
2N994 2N995 2N995A 2N996 2N997	PS PS	T018	L01 L01 L01 L01	150	6V 15V 15V 12V 40V	4V 4V 4V 7V	150MA 200MA 200MA 200MA 300MA	175C 175C 175C	200MWF 360MWF 360MWF 360MWF 500MWF	100M	10P	45/140 35MN 35/140 30MN 1000MN	10MA 20MA 20MA 60MA 100UA	AL G	SGI SGI SGI	BSW25 BSW24 BSW24 BSW24	2N3546 2N29071 2N29071 2N29071	4 0
2N998 2N999 2N1000 2N1003 2N1004	PG	TQ72 T05	L62 L62 L04 OBS OBS	100V 60V 40V 35V 35V		15V 40V	500MA 500MA	200C 200C 100C 100C 100C	500MWF 500MWF 150MWF 120MWF	6 M	30 P 20 P 20 P	7000MN	10MA 100MA 10MA 1MA	ALD RLS	SEU OBS OBS	1	2N1304 2N1305 2N1305	0 0 0
2N1005 2N1006 2N1007 2N1008 2N1008A		OBS.	08S 08S L05 L04 L04	40V 20V	15V 15V 30V 15V 35V	150	3A 300MA 300MA	8 5 C	150MWF 150MWF 35WC 300MWF 300MWF	60K 400K		10/25 25/150 50/250 40/150 40/150	1 0 M A 1 0 M A 1 A 1 0 M A 1 0 M A	RLA AHG AHG	08 S 08 S 08 S	ASZ16	A157 A157 2N1536 2N1176 2N1176	0 0 0
2N1008B 2N1009 2N1010 2N1011 2N1012	PG PG NG PG	08 S 101 103	L04 0BS L02 L05 L04	35V 10V 80V	55V 25V 10V 40V 22V	10V 40V	300MA 20MA 2MA 5A	8 5C 55C	300MWF 300MWF 20MWF 45WC 150MWF	400K 1M 100K		40/150 40MN 35MN 30/75 40MN	10MA 10MA 300UA 3A 100MA	ALG ALG AHG	OBS RCU OBS	ACY17 ACY17 ASY29 ASZ16 ASY29	2N1176 2N1176 2N1304 2N1536 2N1304	0 0 0
2N1013 2N1014 2N1015 2N1015A 2N1015B	PG NS	08S 08S	08S 08S 08S 08S	100V 50V 60V	60V 30V 60V	25V 25V	1	150C	750MWF 50WC 150WC 150WC	200K 20M 20M	! !	75TP 20MN 10MN 10MN 10MN	1 A 1 A 2 A 2 A 2 A	AHG AHG	RCU OBS	BD X14 AS Z15 BDY 20 BDY 20 BDX 50	2N3740 2N1533 2N3055 2N3055 2N3773	0 0 0
2N1015C 2N1015D 2N1015E 2N1015F 2N1016	NS NS	OBS OBS		20 CV 25 CV 30 CV	150V 200V 250V 300V 30V	25V 25V 25V	7500MA 7500MA 7500MA 7500MA 7500MA	150C 150C 150C	150WC 150WC 150WC 150WC	20N 20N 20N	!	10MN 10MN 10MN 10MN 10MN	2A 2A 2A 2A 5A	AHE AHE	08S 08S 08S	BU120 BU120 BU120	2N3773 2N3055	0 0 0
2N1016A 2N1016B 2N1016C 2N1016D 2N1016E	N S N S N S	08S 08S 08S	08S	1000		25V 25V 25V	7500MA 7500MA 7500MA 7500MA 7500MA	150C 150C 150C	150W0 150W0 150W0 150W0			10MN 10MN 10MN 10MN 10MN	5 A 5 A 5 A 5 A	AHE AHE	085 085 085	BDX50 BDX50	2N3055 2N3773 2N3773	0
2N1016F 2N1017 2N1018 2N1019 2N1020	PO PO NO	08S 105 105 08S 08S	0BS L04 L04 0BS 0BS	30V 30V 30V	1 .	20 V	3A		150WC 170MWF 170MWF 10WC 10WC	10	4 24P 1 24P		1/	RMS RMS	083		2N 1305 2N 1305	

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	F C T OB MIN MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2N1021 2N1021A 2N1022 2N1022A 2N1023	PG PG PG PG		L05 L05 L05 L05 L36	100V 100V 120V 120V 40V	50V 55V 50V 55V	30V 20V 30V 20V 0V5	5A 7A 5A 7A 10MA	95C 100C 95C 100C 100C	85WC 150WC 85WC 150WC 120MWF	100K 200K 200K	30/90 30/90 30/90 30/90 20/175	5 A 5 A 5 A 5 A 5 O OU A	AHH AHH AHH VLA	TIB OBS TIB OBS RCU		2N1 533 2N 1533 2N 1533 2N 1533 2N 1533 2N 990	0 0 0 0
2N1024 2N1025 2N1026 2N1026A 2N1027	PS PS PS PS	T05 T05 T05	L04 L04 L04 L04 L04	18V 40V 40V 35V 18V	15V 35V 35V 35V 15V	18V 40V 40V	100MA 100MA 100MA 100MA 100MA	1750 1750 1750 2000 1750	250MWF 250MWF 250MWF 400MWF 250MWF	1M 14P 1M 14P 2M 14P 2M 14P 4M 14P	9MN 9/22 18/44 36/88 18MN	1 M A 1 M A 1 M A 1 M A 1 M A	ALA ALA ALA ALA	08S 08S 08S 08S 08S	BCY32	2N1475 2N1475 2N1475 2N1475 2N1475	0 0 0 0
2N1028 2N1029 2N1029A 2N1029B 2N1029C	PS PG PG PG	T03	L04 L05 L05 L05 L05	18V 50V 50V 90V 100V	10V 20 V 40 V 70 V 80 V	12V 25V 25V 25V 25V	100MA 15A 15A 15A 15A	175C 100C 100C 100C 100C	250MWF 90WC 90WC 90WC 90WC	3N 14P	9MN 20/60 20/60 20/60 20/60	1MA 10A 10A 10A 10A	AL A AHG AHG AHH AHH	OBS OBS	BCY32 ASZ16 ASZ16 ASZ15 ASZ15	2N1475 2N1536 2N1536 2N1533 2N1533	0 0 0
2N1030 2N1030A 2N1030B 2N1030C 2N1031	PG PG PG PG	T03 T03 T03	L05 L05 L05 L05 L05	50V 60V 90V 100V 50V	30 v 40 v 75 v 80 v 30 v	25V 25V 25V 25V 25V	15A 15A 15A 15A 15A	100C 100C 100C 100C	90 WC 90 WC 90 WC 90 WC 90 WC		50/100 50/100 50/100 50/100 20/60	10A 10A 10A 10A	AHH AHG AHH AHH AHG	08S 08S 08S 08S 08S			0 0 0
2N1031A 2N1031B 2N1031C 2N1032 2N1032A	PG PG PG PG	X07 X07 X07 X07 X07	L05 L05 L05 L05 L05	60V 90V 10CV 5CV 60V	40 V 70 V 80 V 30 V 40 V	25V 25V 25V 25V 25V	15A 15A 15A 15A 15A	100C 100C 100C 100C 100C	90WC 90WC 90WC 90WC		20/60 20/60 20/60 50/100 50/100	10A 10A 10A 10A 10A	AHG AHH AHH AHH	08 S 08 S 08 S 08 S 08 S			0 0 0 0
2N1032B 2N1032C 2N1034 2N1035 2N1036	PG PG PS PS	X07 X07 T05 T05 T05	L05 L05 L04 L04 L04	90 V 100 V 50 V 50 V 50 V	70V 80V 40V 35V 30V	25 V 25 V 20 V 20 V 20 V	15A 15A 50MA 50MA 50MA	100C 100C 160C 160C 160C	9 CWC 9 CWC 25 OMWF 25 OMWF 25 OMWF	100K140P 150K140P 250K140P	50/100 50/100 9/22 8/42 34/88	1 CA 10A 1MA 1 MA 1 MA	AHH AHA ALA ALA	08S 08S 08S 08S 08S	•	2N1475 2N1475 2N1475	0 0 0
2N1037 2N1038 2N1038/1 2N1038/2 2N1039	PS PG PG PG	T05 T05 X26 X26 T05	L04 L04 L59 L59 L04	50V 40V 40V 40V 60V	35V 30V 30V 30V 40V	20V 20V 20V 20V 20V	50MA 3A 3A 3A 3A	160C 95C 95C 95C 95C	250MWF 800MWF 1WF 1WF 800MWF	120K140P 225K200P 225K200P 225K200P 225K200P	9/42 20/60 20/60 20/60 20/60	1MA 1A 1A 1A	AHA AHG AHG AHG AHG	0BS 0BS 0BS 0BS	BCY32 AD162 AD162 AD162 AD162	2N1475 2N2835 2N2835 2N2835 2N2835	0 0 0
2N1039/1 2N1039/2 2N1040 2N1040/1 2N1040/2	PG PG PG PG	X26 X26 T05 X26 X26	L59 L59 L04 L59 L59	60V 60V 80V 80V	40V 40V 50V 50V 50V	20V 20V 20V 20V 20V	3 A 3 A 3 A 3 A 3 A	95C 95C 95C 95C 95C	1 WF 1 WF 800MWF 1 WF 1 WF	225K200P 225K200P 225K200P 225K200P 225K200P	20/60 20/60 20/60 20/60 20/60	1 A 1 A 1 A 1 A	AHG AHG AHG AHG AHG	OBS	AD162	2N2835 2N2835 2N2835 2N2835 2N2835 2N2835	0 0 0 0
2N1C41 2N1O41/1 2N1O41/2 2N1O42 2N1O42/1	PG PG PG	X26 X26 X26 X26 X26 X26	L59 L59 L59 L59 L59	100V 100V 100V 40V 40V	30 v	20V 20V 20V 20V 20V	3 A 3 A 3 A 3 A	95C 95C 95C 100C	1WF 1WF 1WF 20WC 20WC	225K200P 225K200P	20/60 20/60 20/60 20/60 20/60	1	АНН	08S 08S 08S	ASZ15 ASZ15 ASZ15 ASZ16 ASZ16	2N1533 2N1533 2N1533 2N1536 2N1536	0 0 0
2N1C42/2 2N1O43 2N1O43/1 2N1O43/2 2N1O44	PG PG PG		L59 L04 L59 L59 L29	40V 60V 60V 60V 80V	40V 40V	20 V 20 V 20 V 20 V 20 V	3A 3A 3A 3A 3A	100C		225K200P 225K200P	20/60 20/60 20/60 20/60 20/60	3A 3A 3A 3A 3A	AHG AHG AHG AHG AHH	0BS 0BS 0BS	ASZ16 ASZ16 ASZ16 ASZ16 ASZ16	2N1536 2N1536 2N1536 2N1536 2N1533	0 0 0 0
2N1 C44/1 2N1 C44/2 2N1 O45/2 2N1 O45/1 2N1 O45/2	PG PG PG	X26	L59	80V 80V 100V 100V	50 V 60 V	20 V 20 V 20 V 20 V 20 V	3A 3A 3A 3A	100C 100C		225K200P 225K200P 225K200P	20/60 20/60 20/60 20/60 20/60	3A 3A 3A 3A	AHH AHH	0BS 0BS 0BS	ASZ15 ASZ15 ASZ15 ASZ15 ASZ15	2N1533 2N1533 2N1533 2N1533 2N1533	0 0 0 0
2N1C46 2N1O46A 2N1O46B 2N1O47 2N1O47A	PG PG NS	103 103 103 08S 08S	L05	100 V 130 V 130 V 80 V 80 V	50V 50V 80V	1V5 1V5 1V5 6V 10V		100C 100C 200C	50WC 50WC 50WC 40WC 20WC	10M 15M 15M 2M 2M	40 MN 40 MN 20 MN 12/36 12/36		RHH RHH RHG	T 18 T 18 T 18		52N1167 2N2147 2N2147 2N2147 2N5050 2N5050	0 0 0 0
2N1047B 2N1048 2N1048A 2N1048B 2N1049	NS NS NS	08 S 08 S 08 S 08 S 08 S	085	80V 120V 120V 120V 80V	80V 120V 120V 120V 80V		750MA 500MA 500MA 750MA 500MA	200C 200C 200C	20WC 20WC 20WC 20WC 20WC	6M 2M 2M 6M 2M	12/36 12/36 12/36 12/36 30/90	500MA	RHH RHH RHH	T18	BDY79 BDY79	2N5050 2N5050 2N5050 2N5050 2N5050	00000
2N1049A 2N1049B 2N1049C 2N1050 2N105CA	NS NS	085 085 085 085 085		80V 80V 80V 120V 120V	80V	10V 10V 10V 6V 10V	500MA 750MA 500MA 500MA 500MA	200C 200C 200C	20WC 20WC 20WC 20WC 20WC	2M 6M 2M 2M 2M 2M	30/90 30/90 30/90 30/90 30/90		RHG RHG	T18 085 T18	BDY79 BDY79 BDY79 BDY79 BDY79	2N5050 2N5050 2N5050 2N5050 2N5050	0 0 0 0
2N1050B 2N1050C 2N1051 2N1052 2N1053	NS NS NS	08 S 08 S 10 5 10 5 10 5	LO4 LC4	120V 120V 60V 200V 180V	120V 80V 40V 155V 135V		750MA 500MA 100MA 500MA 500MA	200C 150C 200C	20WC 20WC 500MWF 600MWF 600MWF	6M 2M 60M 7P 2M100P 2M100P	30/90 30/90 30/100 20/80 20/80	5MA 2COMA	RHH RLG AMH	08S 08S 08S		2N5 050 2N5 050 2N5 050 2N2 219 A 2N1 893 2N1 893	0 0 0 0
2N1054 2N1055 2N1056 2N1057 2N1058	PG PG	T05 T05 T05 T05 T022	L04 L04 L04 L04 L37	.75V 45V	115V 100V 50V 45V 18V	6V 6V 15V 5V	500MA 500MA 100MA 300MA 50MA	200 C 10 0 C 10 0 C	600MWF 3WC 240MWF 240MWF 50MWF	2M100P 2M160P 400K 80P 1M 80P 4M 20P	20MN 20/80 18/43 34/90 50/100	50MA 20MA 20MA	AMH AMH AMH	08S 08S 08S	B SW66 B SW 66 AC Y1 7 AC Y1 7 AS Y29	2N1893 2N1893 2N1176 2N1176 2N1304	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE	VEB MAX	C MAX	T J MAX	P TOT		)B MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ıss
2N1059 2N1060 2N1065 2N1066 2N1067	NG NS PG PG NS	T022 T018 T05 T012 T08	L37 L01 L04 L09 L12	40V 40V 40V 40V 60V	15V 40V 20V 40V 30V	1٧	100MA 50MA 50MA 50MA 500MA	75C 150C 85C 100C 175C	180MWF 250MWF 120MWF 120MWF 5WC	18M 60M 750K	8P 4P	50/100 17MN 20/80 20/175 15/75	10MA 5MA 2MA 2MA 200MA	RLS RLS RLG RLG AHG	OBS OBS RCU	1	2N1304 2N2222A 2N990 2N990 2N1486	0 0 0 0
2N1068 2N1069 2N1070 2N1072 2N1073	NS NS NS PG	108 103 103 0BS 103	L12 L05 L05 0BS L05	60V 60V 60V 75V 40V	30V 45V 45V	1 2V 9 V 9 V 6 V 0 V 7	1500MA 4A 4A 2A 10A	175C 175C 175C 150C 110C	10WC 50WC 50WC 13WC 60WC	750K 600K 600K 30M 700K		1	750MA 1500MA 150CMA 75CMA 54	AHG AHG AHG AHG RHG	RCU RCU RCU OBS OBS		2N1486 2N3055 2N3055 2N2147	00000
2N1073A 2N1073B 2N1074 2N1075 2N1076	PG PG NS NS	103 103 105 105 105	L05 L05 L04 L04 L04	8CV 120V 50V 50V 50V	40V 35V 30V	0 V 7 0 V 7	10A 10A 50MA 50MA 50MA	110C 110C 160C 160C 160C	60 WC 60 WC 250 MWF 250 MWF 250 MWF	700K 700K 200K 250K 300K		20/60 20/60 9/44 18/44 36/88	5A 5A 5MA 5MA 1MA	RHG RHH ALA ALA ALA	08S 08S 08S 08S	AL100 AL100	2N2147 2N2147	0 0 0
2N1077 2N1078 2N1079 2N1080 2N1081	NS PG NS NS	TC5 OBS OBS OBS TO5	LC4 OBS OBS OBS LC4	50V 60V 60V 60V 40V	35V 45V 60V 60V 40V	10 V 10 V 10 V	50MA 3A 5A 5A 750MA	160 C 85 C 200 C 200 C 200 C	250MWF 20WC 60WC 60WC 600MWF	200K 100K 5M 5M	00 P	9/44 30MN 20/80 20/80 20/100	5MA 500MA 1A 2A 500MA	ALA AHG RHG RHG AMG	08S 08S 08S 08S 08S	AD162 BDY23 BDY23 BFY50	2N 2835 2N 3445 2N 3445 2N 2 29 7	0 0 0 0
2N1082 2N1084 2N1085 2N1086 2N1086A	NS PS NS NG NG	105 105 105 1022 1022	LC4 LO4 LO4 L37 L37	25 V 60 V 60 V 9 V 9 V	50V 50V 9V 9V	2 V 5 V 5 V	50MA 2A 2A 20MA 20MA	2000 1000 1000 1000 1000	200MWF 600MWF 600MWF 65MWF 65MWF	17M 10M 5M 4M 4M	5P	10/50 15/60 40/120 17/195 17/195	10MA 1500MA  500MA  1MA  1MA	ALA AHG AHG RLG RLG	08S 08S 08S 08S 08S	BFY50 BFY50 BFY50 ASY29 ASY29	2N2297 2N4036 2N2297 2N1304 2N1304	0 0 0 0
2N1087 2N1090 2N1091 2N1092 2N1093	NG NG NG NS PG	T022 T05 T05 T05 T05	L37 L04 L04 L04 LC4	9V 25V 25V 60V 30V	9 V 15 V 15 V 30 V 15 V	20V 12V	20 MA 400 MA 400 MA 500 MA 250 MA	100C 85C 85C 175C 95C	65MWF 120MWF 120MWF 2WC 150MWF	600K	30P 30P 24P	17/195 30MN 40MN 15/75 50/150	1 MA 20 MA 20 MA 20 OMA 5 OMA	RLG RMS RMS AMG RMS	OBS RCU RCU RCU OBS	ASY29 ASY29 ASY29 BFY50 ASY27	2N1304 2N1304 2N1304 2N2297 2N1305	0 0 0 0
2N1094 2N1097 2N1098 2N1099 2N1100	PG PG PG PG	T018 T05 T05 T036 T036	L01 L04 L04 L13 L13	30V 18V 18V 80V 100V	15V 16V 16V 55V 80V		40MA 100MA 100MA 15A 15A	100C 100C 100C 95C 95C	150MWF 200MWF 200MWF 50WC 50WC	300 M 1 M 150K 150K	4 P	15MN 34/90 25/90 35/70 25/50	4MA 20MA 1MA 5A 5A	VLA ALG ALG AHG AHH	CBS OBS OBS MUB MUB	AF106 AC125 AC125 ADZ12 ADZ12	2N406 2N406 2N1100 2N1100	0 0 0
2N1101 2N1102 2N1103 2N1104 2N1107	NG NG NS NS PG	T022 T022 T05 T05 T022	L37 L37 L04 L04 L37	20V 40V 45V 45V 16V	15V 25V 35V 35V	1 V 1 V	100MA 100MA 20MA 20MA 5MA	75C 75C 150C 150C 100C	180MWF 180MWF 125MWF 125MWF 30MWF	100K 100K 12M 25M 20M	3P 3P 3P	25/50 25/50 30/65 45/150 18MN	10 MA 35 MA 1 CMA 1 OMA 500 UA	ALG AMG ALG ALG RLA	085	BFY50	2N2430 2N2430 2N2297 2N2297 2N990	0 0 0 0
2N11C8 2N11O9 2N111O 2N1111 2N1111A	PG PG	T022 T022 T022 T022 T022	L37 L37 L37 L37 L37	16V 16V 16V 20V 20V				100C 100C 100C 100C	3CMWF 3CMWF 3CMWF 3CMWF 3CMWF	15 M 15 M 15 M 15 M 15 M	3 P 3 P 3 P 3 P	16MN 11MN 15MN 13MN 15MN	500UA	RLA RLA RLA	08\$ 08\$ 08\$	AF124 AF124 AF124 AF124 AF124	2N990 2N990 2N990 2N990 2N990	0 0 0 0
2N11118 2N1114 2N1115 2N1115 2N1116	PG NG PG PG NS	T022 T05 T022 T022 T05	L37 L04 L37 L37 L04	27V 25V 20V 35V 60V	15V 20V 60V	15V 6V	5MA 200MA 125MA 125MA	100C 100C 85C 85C 200C	30MWF 150MWF 150MWF 150MWF 600MWF	15 M 4 M 4 M 4 M 4 M 12	3P 20P	30TP 40/180 35MN 35MN 40/150	500UA 20MA 60MA 60MA 500MA	RMS RMS RMS	08S 08S 08S	AF124 ASY29 ASY27 ASY27 BFY50	2N991 2N1304 2N1305 2N1305 2N2297	0 0 0 0
2N1117 2N1118 2N1118A 2N1119 2N1120	PS PS PS	T05 T05 T05 T05 X07	L04 L04 L04 L04 L05	60V 25V 25V 10V 8CV	60V 25V 25V 10V 50V	10V 10V	50MA 50MA 50MA 15A	200 C 1 40 C 1 40 C 1 40 C 95 C	600MWF 150MWF 150MWF 150MWF 45WC	4M10 20M 1 20M 1 20M 1 75K	12P 12P	40/150 15MN 15/35 18MN 20/50		RLG RLG RLG	08S 08S 08S	BFY50 BFX29 BF X29 3FX29 ASZ15	2N2297 2N2905A 2N2905A 2N2905A 2N1533	0 0 0 0
2N1121 2N1122 2N1122A 2N1124 2N1125	PG PG	T022 OBS OBS T05 T05	L37 OBS OBS L04 L04	15V 12V 15V 40V 40V	15v 11v 14v	40V 40V	20MA 50MA 50MA 250MA 500MA	85C 100C 100C 85C 85C	65MWF 25MWF 25MWF 300MWF 300MWF	4M 40M 40M 600K 600K	6P 6P	32/110 25MN 25MN 40MN 50/150	1MA 10MA 10MA 10MA 500MA	VLS VLS	08S 08S 08S	ASY29 AF124 AF124 ACY17 ACY17	2N1304 2N990 2N990 2N1176 2N1176	0 0 0 0
2N1126 2N1127 2N1128 2N1129 2N1130		T05 T05 T05 T05	L04 L04 L04 L04 L04	40V 40V 25V 25V 30V	35 V 18 V		150MA 150MA 250MA 250MA 250MA	85C 85C 85C 85C 85C	1WF 1WF 150MWF 150MWF 150MWF	400K 1M 500K 8 300K 8	90 P	10MN 50/150 70/150 100MN 50/165	1MA 500MA 2MA 200MA 100MA	AMG AMG AMG	08S 08S 08S	AC Y17 AC Y17 AC Y17 AC Y17 AC Y17	2N1176 2N1176 2N1176 2N1176 2N1176	00000
2N1131 2N1131/51 2N1131A 2N1131A51 2N1132	PS PS	T05 OBS T05 OBS T039	L04 0BS L04 0BS LC4	50V 50V 50V 50V	35V 35V 35V 35V 35V	5V 5V 5V 5V	600MA 600MA	175C 175C	600MWF 300MWF 60CMWF 600MWF 600MWF	50 M 4 50 M 3 50 M 3 50 M 3	45P 30P 30P	20/45 20/45 20/45 20/45 20/45 30/90	150MA	AMG AMG AMG	OBS FCU OBS	BFX30 BFX30 BFX30 BFX30 BFS95	2N290 5A 2N290 5A 2N290 5A 2N290 5A 2N2905A 2N4036	
2N1132/46 2N1132/51 2N1132A 2N1132A46 2N1132A51	PS PS PS	T05 T046	L01 0BS L04 L01 0BS	50V 50V 60V 60V	35 v 35 v 40 v 40 v 40 v	5V 5V 5V 5V	600MA 600MA 600MA 600MA 600MA	175C 175C	400MWF 300MWF 600MWF 400MWF 300MWF	60 M 4 60 M 3 60 M 3 60 M 3	45 P 30 P 30 P	30/90 30/90 30/90 30/90 30/90	150MA	AMG	0 B S S G I 0 B S	BSW24 BSW24 BFS95 BSW24 BSW24	2N 290 7A 2N 290 7A 2N 4036 2N 2907A 2N 2907A	000
2N1132B 2N1132B46 2N1132B51 2N1135 2N1135A	PS PS PS	T018	LC4 LO4 OBS LO1 LC1	70V 70V 70V 12V 12V	45 V 45 V 45 V 12 V 12 V	6 V 6 V	600MA 600MA 600MA	175C	600MWF 400MWF 300MWF 100MWF 100MWF	60M 5 60M 5 60M 5	50P	30/90 30/90 30/90		AMG AMG RLS	08S 08S 08S	BFX29 BSW24 BSW24 BSW25 BSW25	2N290 5A 2N2907A 2N2907A 2N3546 2N3546	0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	I C MAX	T J MAX	P TOT		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2N1136 2N1136A 2N1136B 2N1137 2N1137A	PG	T03 T03 T03 T03 T03	L05 L05 L05 L05 L05	6CV 90V 100V 60V 90V	30V 55V 65V 30V 55V		6A 6A 6A 6A	100C 100C 100C 100C 100C	94WC 94WC 94WC 94WC 94WC			50/100 50/100 50/100 75/150 75/150	3 A 3 A 3 A 3 A	AHG AHH AHG AHH	CBS OBS OBS	ASZ16 ASZ15 ASZ15 ASZ16 ASZ16	2N1536 2N1533 2N1533 2N1536 2N1533	0 0 0 0
2N1137B 2N1138 2N1138A 2N1138B 2N1139	PG PG PG PG NS	T03 T03 T03 T03 T05	L05 L05 L05 L05 L05	100V 6CV 90V 100V 15V	65V 25V 55V 65V 15V	3V	6A 5A 5A 5A 100MA	100C 100C 100C 100C 175C	94WC 60WC 94WC 94WC 500MWF	100 M	15P	75/150 100MN 100MN 100MN 20/200	3A 3A 3A 3A 10MA	AHH AHG AHH AHH RL S	08S 08S 08S	ASZ15 ASZ16 ASZ15 ASZ15 ASZ15 BSW54	2N1533 2N1536 2N1533 2N1533 2N2219A	0 0 0 0
2N1141 2N1141A 2N1142 2N1142A 2N1143	PG PG PG PG	T05 T05 T05 T05 T05	L04 L04 L04 L04 L04	35V 35V 30V 30V 30V		1V 1V 0V7 0V7 0V5	100MA 100MA 100MA 100MA	100C 100C 100C 100C	300MWF 300MWF 300MWF 300MWF 300MWF	350M 250M 300M 200M 200M	3P 3P 3P 3P	10MN 15MN 10MN 15MN 10MN	1 0 M A 1 C M A 1 O M A 1 O M A	VLA VLA VLA VLA				0 0 0 0
2N1143A 2N1144 2N1145 2N1146 2N1146A	PG PG PG PG	T05 0BS 0BS 103 T03	L04 085 085 L05 L05	30 V 16 V 16 V 40 V 60 V	15V 15V 20V 30v	30V 30V	100MA 100MA 100MA 15A 15A	100C 85C 85C 95C 95C	300MWF 175MWF 175MWF 90WC 90WC	200M 1 M 1 M 125 K 125 K	3P 70P 70P	15MN 34/90 25/90 60/150 60/150	1 0MA 20MA 20MA 5A 5A	VLA ALG ALG AHG AHG		ACY17 ASZ16	2N1176 2N1176 2N1536 2N1536	0 0 0 0
2N1146B 2N1146C 2N1147 2N1147A 2N1147B	PG PG PG PG	T03 T03 X07 X07 X07	L05 L05 L05 L05 L05	80V 100V 40V 60V 80V	40 V 50 V 20 V 30 V 40 V	30V 30V 30V 30V 30V	15A 15A 15A 15A 15A	950 950 950 950 950	90WC 90WC 90WC 90WC 90WC	125K 125K 125K 125K 125K		60/150 60/150 60/150 60/150 60/150	5 A 5 A 5 A 5 A 5 A	AHG AHH AHG AHG AHG	08 S 08 S 08 S	ASZ16 ASZ15 ASZ16 ASZ16 ASZ16	2N1536 2N1533 2N1536 2N1536 2N1536	0 0 0 0
2N1147C 2N1149 2N1150 2N1151 2N1152	PG NS NS NS	X07 T022 T022 T022 T022	L05 L37 L37 L37 L37	100V 45V 45V 45V 45V	500	30V 1V 1V 1V 1V	15A 25MA 25MA 25MA 25MA	950 1750 1750 1750 1750	90WC 150MWF 150MWF 150MWF 150MWF	125K 6M 5 M 7 M 7 M	12P 12P 12P 12P	60/150 9/20 18/40 18/90 36/90	5A 25MA 25MA 25MA 25MA	RLG RLG	08S 08S	BSW54 BSW54 BSW54	2N1533 2N22194 2N22194 2N22194 2N22194	0
2N1153 2N1154 2N1155 2N1156 2N1157	NS NS NS PG	T022 T022 T022 T022 OBS	L37 L37 L37 L37 OBS	45V 50V 80V 120V 60V	450	1V 1V 1V 1V 28V	25MA 60MA 50MA 40MA 40A		150MWF 750MWC 750MWC 750MWC 187WC	8M 490K 400K 400K 100K	12 P	76/333 9MN 9MN 9MN 10MN	25MA 60MA 50MA 40MA 40A		08S 08S 08S	BC107 BC107	2N2219A A157 A157 A157	0 0 0
2N1157A 2N1158 2N1158A 2N1159 2N1160	PG PG PG PG	08S 105 105 103 103	0BS L04 L04 L05 L05	80V 20V 20V 80V 80V	50V 60V 60V	0V5 0V5 20V	4CA 100MA 100MA 5A 5A	100C 100C 100C	187WC 75MWF 75MWF 90WC 90WC	100K	5P	10MN 6MN 50TP 30/75 20/50	40A 50MA 3MA 3A 3A	ULA ULA AHH	0B S	AF239S AF239S ASZ15	2N1533 2N1533	0 0 0
2N1162 2N1162A 2N1163 2N1163A 2N1164	PG PG PG PG	T C 3 X O 7 X O 7	L 05 L 05 L 05 L 05 L 05	50V 50V		25 v 25 v 25 v	25A 25A	100C 100C 100C 100C 100C	9 0 W C	100K 100K 100K 100K		15/65 15/65 15/65 15/65 15/65	25A		MOB MOB MOB		2N1162 2N1162 2N1162 2N1162 2N1166	0 0 0 0
2N1164A 2N1165 2N1165A 2N1166 2N1166A	PG PG PG PG	X07 X07	L05 L05 L05 L05	80V 80V 100V	60 v 60 v 60 v 75 v 75 v	40V 40V 50V	25A 25A	100C 100C 100C 100C 100C	9 0 W C	100K 100K 100K		15/65 15/65 15/65 15/65 15/65	25 A 25 A	AHH	M GB MOB MOB		2N1166 2N1166 2N1166 2N1166 2N1166	
2N1167 2N1167A 2N1168 2N1169 2N1170	PG PG PG NG	X07 103 105	L05 L05 L05 L04 L04	50V 25 V	75 V 75 V 30 V 18 V 20 V	50 V 20 V 25 V	25A 25A 5A 400MA 400MA	100C 95C 85C	9 CWC 9 CWC 45WC 12 OMWF	100K		15/65 15/65 70MN 20MN 20MN	25A 1A 200MA		MOB OBS RCU		2N1166 2N1166 2N1536 2N1304 2N1304	0
2N1171 2N1172 2N1173 2N1174 2N1175	PG PG NG PG	T037 T05	L 04 L 47 L 04 L 04 L 04	40V 35V 35V	12 V 30 V 20 V 20 V	350	400MA 1500MA   200MA   200MA   200MA	95C 100C 100C	170MWF 7WC 250MWF 250MWF 200MWF	3 M	25P 25P 25P 50P	30/90 50/200 50/200	100MA 10MA 10MA	RMS	08 S 08 S 08 S	1	2N1305 2N2197 2N1304 2N1305 2N1176	0
2N1175A 2N1176 2N1176A 2N1176B 2N1177	P G	105 105 105 105 105	L04 L04 L04 L04	35V 40V 60V	25 V 35 V 40 V 60 V 20 V	10V 10V	300MA	100C	200MWF 300MWF 300MWF 300MWF	300k 300k 300k	50P 70F 70F 90P	20MN 20MN 20MN	10MA 10MA 10MA	ALS	ELN ELN	ACY17 ACY17 ACY17 OC77N AF124	2N1176 2N1176 2N1176 2N1176 2N1176 2N990	B 0
2N1178 2N1179 2N1180 2N1182 2N1183	PO PO PO	T07	L07 L07 085 L12	30V 20V 60V	25\ 20\ 10\ 60\ 20\	1V 0V5	10MA		80 MWF 8 C MWF 8 O MWF 10 6 WC 7 W C	60 M	4 F 1 4 F	80TP	1 M A	A RLO	RCU RCU G OBS	AF124 AF124 AF124 ASZ15 AD136	2N990 2N990 2N990 2N1533 2N1184	
2N1183A 2N1183B 2N1184 2N1184A 2N1184B	P () P () P () P ()	80T 8	L 12 L 12 L 12 L 12 L 12	80V 45V 60V	30\ 40\ 20\ 30\ 40\	20V 20V 20V	34 34 34	1000	7 WC 1 O WC 7 WC 7 WC 7 WC	500K		20/60 20/60 40/120 40/120 40/120	400M/ 400M/ 400M/ 400M/ 400M/	A AHO A AHO A AHO	RCE RCE	B AD136 B AD136 B AD136 B AD136 B AD136	2N1184 2N1184 2N1184 2N1184 2N1184	B 0
2N1185 2N1186 2N1187 2N1188 2N1189	P (	T05 T05 T05 T05 T05	L04 L04 L04 L04	60V	45° 45°		500M/ 500M/ 500M/	100C 100C 100C 100C 100C	200MWI 200MWI 200MWI 200MWI 200MWI	600k 800k	25F 25F 25F	33MN 45MN	10 M/	A AM	G MOE	B ACY17 B ACY17 B ACY17 B ACY17 B ACY17	2N1188 2N1188 2N1188 2N1188 2N1188	

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2N119C 2N1191 2N1192 2N1193 2N1194	PG PG PG PG	105 105 105 105 105	L04 L04 L04 L04	45V 40V 40V 40V 40V	30V 25V 25V 25V 25V	25V 25 V 25 V	500MA 200MA 200MA 200MA 200MA	100C 100C 100C 100C 100C	200MWF 200MWF 200MWF 200MWF 200MWF	600K 1M 1M	25F 40P 40P 40P 40P	100MN 20/80 40/135 70/300 125MN	10 MA 1 0 MA 1 C MA 1 C MA 1 0 MA	AMG AMG AMG AMG AMG		ACY17 ACY17 ACY17	2N1188 2N1188 2N1188 2N1188 2N1188	0 0 0 0
2N1195 2N1196 2N1197 2N1198 2N1199	PG PS PS NG NS	105 105 105 105 085	L04 L04 L04 L04 OBS	30V 70V 70V 25V 20V	20V 70V 25V 15V	1V 4V 4V 0V5 3V	50MA 15MA 15MA 75MA 100MA	8 5C	30CMWF 350MWF 350MWF 75MWF 150MWF	275 M 40 M 45 M 2 M 75 M	4P 4P 5P 2P5	50TP 5/30 5/30 20/200 12/60	10MA 2MA 2MA 8MA 20MA	VLA ALH RLG RLG VLA	08 S 08 S 08 S	BC177 BC177	2N 396 5 2N 396 5 2N 1 30 4 2N 9 1 8	0 0 0 0
2N1199A 2N1200 2N1201 2N1202 2N1203	NS NS NS PG PG	08S 08S 08S 08S 08S	08S 08S 08S 08S	20V 20V 20V 80V 120V	15V 14V 14V 60V 70V	1	100MA 50MA 50MA 3500MA 3500MA	150C	15CMWF 10CMWF 100MWF 34WC 34WC	30M 200K	3P5	12/60 7/200 7/200 40/120 25/75	2 CMA 2 MA 2 MA 500 MA 2 A	VŁA VŁA VŁA AHH AHH	08 S 08 S 08 S	BF X73	2N918 2N918 2N918 2N1533 2N1533	00000
2N12C4 2N12C4A 2N12C5 2N12C6 2N12C7	PG PG NS NS	105 105 105	L04 L04 L04 L04	20 V 20 V 20 V 60 V 125 V	12V 12V 20V 60V 125V	4 V 4 V 1 V 3 V 3 V	500MA 500MA 100MA 100MA	100C 200C 200C	300MWF 300MWF 150MWF 3WC 3WC	1100M   17M	6P5 10P 10P	25MN 10MN	4CCMA 200MA 1MA 5MA 5MA	UMS RLA RMG	OBS	BSW54 BSW54 BSW54	2N2219A 2N2219A 2N2219A	0
2N1208 2N1208/1 2N1209 2N1209/1 2N1210	NS NS NS NS	1	280 280 280 280 280	60V 60V 45V 45V 60V	60v 60v 45v 45v 60v	10v 10v 5v 5v 8v	5 A 5 A 5 A 5 A	200C 200C	45WC	1200K		15MN 15MN 20/80 20/80 15/75	2A 2A 2A 2A 2A	AHG AHG AHG AHG	08S SES	BUY54 BUY38 BUY38	2N3054 2N3054 2N3054 2N3054 2N3054	0 0 0
2N1210/1 2N1211 2N1211/1 2N1212 2N1212/1	NS NS NS NS	08S 08S 08S 08S 08S	085 085 085 085	60V 80V 8CV 60V	60v 70v 70v 60v 60v	10V 8V 10V	5 A 5 A 5 A 5 A	175C 175C 175C 200C 200C	30WC 30WC 45WC	1200K   3M 1200K   3M 1200K		15/75 15/75 15/75 12/36 12/36	2A 2A 2A 1A	AHG AHG AHG AHG	08S	8UY38 8UY38 BUY38	2N3054 2N3054 2N3054 2N3054 2N3054	00000
2N1217 2N1218 2N1219 2N1220 2N1221	NG NG PS PS	1022 103 105 105 105	L37 L05 LC4 L04 LC4	20V 45V 30V 30V 30V	20V 30V 25V 25V 25V	20V 20V	25MA 3A 100MA 100MA 100MA	85C 90C 175C 175C 175C	75MWF 20WC 250MWF 250MWF 250MWF	2M	5P 15P 18P 15P	40/100 30/120 18MN 9MN 18MN	500UA 1A 5MA 5MA 5MA	RMS AHG ALG ALG ALG	08S 08S 08S	BF \$95	2N1304 2N4077 2N4036 2N4036 2N4036	00000
2N1222 2N1223 2N1224 2N1225 2N1226	PS PS PG PG PG	T05 T05 T012 T012 T012	LC4 L04 L09 L09 L09	30V 30V 40V 40V 60V	25V 25V		100MA 1GOMA 1GMA 1GMA 1GMA	1750 1750 850 850 850	250MWF 250MWF 120MWF 120MWF 120MWF		18P 13P 4P 4P 4P	9MN 6MN 20/60 20/175 20/175	1 MA 1 MA 1 MA 1 MA 1 MA	ALG ALG RLA RLA RLA	OB S RCU RCU		2N4 036 2N4 036 2N 99 0 2N 99 0 2N 99 0	00000
2N1227 2N1228 2N1229 2N1230 2N1231	PS	103 105 105 105 105	LC5 LO4 LO4 LO4 LO4	35 V 1 5 V 1 5 V 3 5 V 3 5 V	15V 35V	15V 15V 15V 35V 35V	3A 100MA 100MA 100MA 100MA	200C 200C	40WC 400MWF 400MWF 400MWF 400MWF		908 908	50/350 14/32 28/65 14/32 28/65	1 MA 1 MA 1 MA	ALA ALA	08 S 08 S 08 S	ASZ 16 BC Y 32 BC Y 32 BC Y 32 BC Y 32	2N1536 2N1475 2N1475 2N1475 2N1475 2N1475	00000
2N1232 2N1233 2N1234 2N1238 2N1239	PS PS PS	T05 T05 T05 OBS CBS	L04 L04 LC4 OBS OBS	60V 60V 110V 15V 15V	60v 110v 15v	60v 60v 99v 15v 15v	100MA 100MA 100MA 100MA	200C 200C 160C	400MWF 400MWF 400MWF 1WF 1WF		80P	14/32 28/65 14/32 14MN 24MN	1 MA 1 MA 1 MA 1 O MA 1 O MA	ALA ALA ALA	08 S 08 S 08 S	BCY32 BCY32 BC Y32 BC Y32 BCY32	2N1475 2N1475 2N1475 2N1475 2N1475 2N1475	0 0 0 0
2N1240 2N1241 2N1242 2N1243 2N1244	PS PS PS	OBS OBS OBS OBS OBS	085 085 085 085 085	35V 35V 60V 60V 110V	35V 35V 6CV 6OV 110V	35V 60V 60V	100MA 100MA -100MA 100MA 100MA	160C 160C 160C	IWF IWF IWF IWF IWF	1 1 1	80P 80P 80P 80P 80P	14MN 24MN 14MN 24MN 14MN	1 CMA 10 MA 10 MA 10 MA 1 CMA	ALA ALA ALA	08 S 08 S 08 S	BCY32 BCY32 BCY32 BCY32 BCY32	2N1475 2N1475 2N1475 2N1475 2N1475	00000
2N1247 2N1248 2N1249 2N1250 2N1250/1	NS NS NS	T05 T05 T05 OBS OBS	L04 L04 L04 OBS OBS	6V 6V 6V 60V 60V	6V 6V 60V 60V		5MA 5MA 5A	150C 150C 150C 200C 200C	30MWF 30MWF 30MWF 30MWF 85WC	2M 2M 2M 1M 1M	14P	15MN 15MN 20MN 15MN 15MN	2A	ALN ALN AHG	08S 08S 08S	BC109 BC109 BC109 BCY20 BDY20	2N930 2N930 2N930 2N930 2N3055 2N3055	0 0 0 0
2N1 252 2N1 253 2N1 257 2N1 261 2N1 262	NS PS PG	T05 T05 T05 OBS OBS	L04 L04 L04 OBS OBS	30V 30V 40V 80V 80V	20V 20V 40V 45V 45V		500MA 500MA 3500MA 3500MA	175C 175C 175C 95C 95C	600MWF 600MWF 400MWF 34WC 34WC	80 M 6 50 M 6 35 M 1 100 K 100 K	45P	15/45 30/90 40MN 20/50 30/75	24	AMS AMG AHG	SGI OBS SOT	BFY50 BFY50 BFX29 ASZ16 ASZ16	2N2297 2N2297 2N2905A 2N1536 2N1536	0 0 0 0
2N1 263 2N1 266 2N1 273 2N1 274 2N1 300	PG PG PG	0BS 105 105 105 105	08S L04 L04 L04 L04	80V 20V 15V 25V 13V	10V 15V	100	3500MA 150MA 150MA 150MA 100MA	95C 85C 85C 85C 85C	34WC 80MWF 25CMWF 250MWF 150MWF	100K 300K 300K 300K 20M		45/113 22MN 27/165 27/165 30MN	1MA 5CMA 5CMA	ALG AMG AMG	085 085 M08	ASZ16 ACY17 ACY17 ACY17 AF124	2N1536 2N1188 2N1188 2N1188 2N1188 2N990	0 0 0 0
2N1301 2N1302 2N1303 2N1304 2N1305	NG PG NG	105 105 105 105 105	L04 L04 L04 L04 L04	13 V 25 V 30 V 25 V 30 V		25 V 25 V	AMOOE AMOOE AMOOE AMOOE	85C 85C 85C 85C 85C	150MWF 150MWF 150MWF 150MWF 150MWF	30 M 1 M 2 1 M 2 4 M 2 4 M 2	20P 20P	30 MN 20 /80 20 /80 40 /200 40 /200	10MA 10MA 10MA	RMS RMS RMS	RCU RCU RCU	AF124 ASY29 ASY27 ASY29 ASY27	2N990 2N1304 2N1305 2N1304 2N1305	0 0 0 0
2N13C6 2N13O7 2N13O8 2N13O9 2N13O3	NG PG NG PG	T05 T05 T05	L C4 L O4 L O4 L O4 OBS	25 V 30 V 25 V 30 V 10 0 V	15V 15V 15V 15V 100V	25V 25V	300MA 300MA AM00E AM00E	85 C 85 C 85 C 85 C 85 C	150MWF 150MWF 150MWF 150MWF 20WC		2 OP   2 OP	60/300 60/300 80MN 80MN 40MN	10MA 10MA	RMS RMS RMS	SES RCU SES	ASY29 ASY27 ASY29 ASY27 ASY27	2N1304 2N1305 2N1304 2N1305 2N1533	0 0 0 0

TRANSISTOR	PM	2001					1	T		F (	 C	I	Н			T		
TRANSISTOR NUMBER	OA LT	PACK- AGE	INFO	VCB MAX	VCE MAX	VEB MAX	MAX	MAX	P TOT		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ıss
2N1338 2N1340 2N1342 2N1358 2N1358A	NS NS NS PG PG	T05 T05 T05 T036 T036	L04 L04 L04 L13 L13	8 CV 8 OV 15 OV 8 OV 8 OV	50V 50V 65V	3V 3V 5V 60V 60V	300MA 300MA 300MA 15A 15A	175C 175C 110C 110C	800MWF 800MWF 800MWF 150WC 150WC	70M 70M 70M 80K 80K	20P 20P 16P	10/150 10/150 10/150 25MN 25MN	30MA 30MA 30MA 5A 5A	VMA RMS RMG AHH AHH	08S 08S 08S M0B M0B	B SW54 B SW54 B SW54 AD Z12 AD Z12	2N2219A 2N2219A 2N2219A 2N1100 2N1100	0 0 0 0
2N1359 2N1360 2N1362 2N1363 2N1364	PG PG PG PG	T03 T03 T03 T03	L05	50V 50V 100V 100V 120V		25 V 25 V 50 V 50 V 60 V	10A 10A	110C 110C 110C 110C 110C	106WC 106WC 106WC 106WC	100K 100K 100K 100K 100K		35/90 60/140 35/90 60/140 35/90	1A 1A 1A 1A	AHG AHG AHH AHH AHH	MOB MOB MOB MOB	ASZ16 ASZ16 ASZ15 ASZ15 ASZ15	2N 15 36 2N 15 36 2N 15 3 3 2N 15 3 3 2N 15 3 3	0 0 0 0
2N1365 2N1370 2N1371 2N1372 2N1373	PG PG	103 105 105 105 105	L05 L04 L04 L04 L04	120V 25V 45V 25V 45V	25V 45V 25V 45V	50 V 1 CV 1 CV 1 5 V 2 5 V	10A 200MA 200MA 200MA 200MA	85C 85C 85C 85C 85C	1 06WC 250MWF 250MWF 250MWF 250MWF	100K 400K 400K 400K 400K		60/140 45/165 45/165 27/105 27/105	1A 1MA 1MA 1MA 1MA	AHH AMG AMG AMG AMG	MOB T1B T1B T1B MOB	ASZ15 ACY17 ACY17 ACY17 ACY17	2N1533 2N1188 2N1188 2N1188 2N1188	0 0 0 0
2N1374 2N1375 2N1376 2N1377 2N1378	PG PG PG PG	T05 T05 T05 T05 T05	L04 L04 L04 L04 L04	25V 45V 25V 45V 12V	25V 45V 25V 45V 12V	15V 25V 15V 25V 7V	200MA 200MA 200MA 200MA 200MA	85C 85C 85C 85C 85C	250MWF 4 250MWF 250MWF 250MWF 250MWF	400K 400K 400K 400K 400K		45/165 45/165 67/165 67/165 85/330	1 MA 1 MA 1 MA 1 MA 1 MA	AMG AMG AMG AMG AMG		ACY17 ACY17 ACY17 ACY17 ACY17	2N1188 2N1188 2N1188 2N1188 2N1188	0 0 0 0
2N1379 2N1380 2N1381 2N1395 2N1396	PG PG PG PG	105 105 105 1012 1012	L04 L04 L04 L09 L09	25 V 1 2 V 25 V 4 0 V 4 0 V	25V 12V 25V	15V 7V 15V 0V5 0V5	200MA 200MA 200MA 10MA	85C 85C 85C 100C	250 MWF 250 MWF 250 MWF 120 MWF 120 MWF	400K 400K 400K 12M 12M	4P	85/330 27/330 27/330 50/175 50/175	1 MA 1 MA 1 MA 1 MA	AMG AMG AMG RLG RLG	RCU	ACY17 ACY17 ACY17 AF124 AF124	2N1188 2N1188 2N1188 2N990 2N990	0 0 0 0
2N1397 2N1404 2N1408 2N1412 2N1412A	PG PG PG PG	1012 105 105 1036 1036	L09 L04 L03 L13 L13	40V 25V 50V 100V 100V	20V 50V 60V	0V5 20V 10V 60V 60V	10MA 300MA 200MA 15A 15A	85C 100C 100C	120MWF 150MWF 150MWF 150WC 150WC	12M 2M		50/175 80 MN 10MN 10MN 10MN	1MA 24MA 1MA 15A 15A	RLG RMS ALH AHH AHH	RCU OBS MOB MOB MOB	AF124 ASY27 ACY17 ADZ12 ADZ12	2N990 2N1305 2N1188 2N1100 2N1100	0 0 0 0
2N1413 2N1414 2N1415 2N1420 2N1420A	PG PG NS NS	T05 T05 T05 T05 T05	L03 L03 L03 L04 L04	35V 35V 35V 60V 60V	25V 25V 25V 30V 28V	10V 10V 10V 5V 7V	500MA 500MA 500MA 1 A	100C 100C	225MWF 225MWF 225MWF 600MWF 800MWF	600K 800K 900K 50M 60M	40 P 40 P 35 P	25/42 34/65 53/90 100MN 100MN	20MA 20MA 20MA 150MA 150MA	AMG AMG AMG AMG AMG	MOB MOB MOB MUB SG1	ACY17 ACY17 ACY17 BFY50 BFY50	2N1188 2N1188 2N1188 2N2297 2N2297	0 0 0
2N1425 2N1426 2N1428 2N1429 2N1475	PG PG PS PS	T07 T07 T01 T05 T05	L07 L07 L02 L04 L04	24V 24V 6V 6V 60V	6V 6V	0 V 5 0 V 5 6 0 V	10 MA 10 MA 50 MA 50 MA 100 MA	85 C 85 C 140 C 140 C 150 C	80MWF 80MWF 100MWF 100MWF 250MWF	15 M 15 M 16 M 16 M	4P 14P 14P	50TP 130TP 12MN 12MN 30MN	1 MA 1 MA 5 MA 5 MA 1 MA	RLG RLG RLA RLA	R CU OB S OB S	BFX29	2N990 2N990 2N2905A 2N2905A 2N1475	00000
2N1478 2N1479 2N1480 2N1481 2N1482	PG NS NS NS		L04	1000	40V 55V 40V	12V 12V	500MA 1500MA 1500MA 1500MA 1500MA	200C 200C 200C	250MWF 5WC 5WC 5WC 5WC			40MN 20/60 20/60 35/100 35/100	200MA 200MA 200MA	AMG AMH AMG	RCU RCU RCU	ACY17 BFY50 BSW66 BFY50 BSW66	2N1188 2N2297 2N1893 2N2297 2N1893	0 0 0
2N1483 2N1484 2N1485 2N1486 2N1487	NS NS NS	105 105 105 105 105	L04	100V 60V 100V	40v 55v 40v 55v 40v	12V 12V 12V	3 A	200C 200C 200C 200C 200C	25 WC 25 WC 25 WC 25 WC 70 WC	1 M 1 M	! !	20/60 20/60 35/100 35/100 15/45		AHG AHG	RCU RCU RCU	85764	2N 4877 2N 4877 2N 4877 2N 4877 2N 4877	0 0 0 0
2N1488 2N1489 2N1490 2N1491 2N1492	NS NS NS NS	105 105 105 1012 1012	L04 L04 L04 L09 L09	00V 100V 30V	55V 40V 55V 30V 60V	12V 1V	6A 6A 6A 100MA	200C 200C 175C	7 CWC 7 OWC 7 OWC 500 MWF 50 OMWF	1 M 1 M 100 M	, , , 10P	15/45 25/75 25/75 15/200 15/200	1500MA 1500MA   15MA	AHG AHG RLG	RCU RCU RCU	85V64 85V64	2N4877 2N4877 2N4877 2N2219A 2N2219A	
2N1493 2N1494 2N14944 2N1495 2N1496	NS PG PG PG	X26 T05	L09 L59 L59 L03 L59	20V 20V 40V	100v 15v 25v 25v	4V 4V 4V	100MA 500MA 500MA 500MA	100C 100C	500MWF 500MWF 500MWF 30CMWF 500MWF	110 M 110 M 150 M	7 P	15MN 25MN 25MN	15MA 400 MA 2 G O MA 2 G C MA 20 O MA	VMS VMS VMS	MOB		2N2219A 2N2382 2N2382 2N2382 2N2382	0 0 0 0
2N1499 2N1499A 2N1499B 2N15CO 2N15O1	P G P G P G P G	T05 T05 T018	L04 L03 L04 LC1 38S	20V 30V 15V	20 V 12 V 40 V	/ 2 V	50MA 100MA 100MA 50MA 3500MA	100C 100C	25 MWF 6 C MWF 75 MWF 6 O MWF 32 W C	1001 1501 1201	3 F 4 3 F 4 3 P	30MN 40MN	10 MA 10 MA 10 MA 10 MA 2 A	VLS VLS VLS	MOB MOB	!	2N1536	0 0 0 0
2N1502 2N1505 2N1506 2N1507 2N1515	PG NS NS NS	T05 T05	085 L C4 L C4 L C4	50V 60V 60V	40 V 20 V 20 V	4 4 4 3 4	3500 MA 500 MA 500 MA 1 MA	175C 175C 175C	3 2 WC 80 CMWF 80 CMWF 60 CMWF 8 3 MWF	70M 140M 50M	4 4 4 35F		10004	RMC RMC RMC	0 B S 0 B S 7 1 B	ASZ16 BSW54 BSW54 BSW54 AF124	2N1536 2N22194 2N22194 2N22194 2N990	0 4
2N1516 2N1517 2N1524 2N1525 2N1526	PG PG PG	T01 T05	L07 L07 L02 L04	20V 24V 24V	25\ 20\		10 M A 10 M A 10 M A 10 M A	75C 85C 85C	83MWF 83MWF 80MWF 80MWF	35/ 12/ 15/	4 5F 4 4F 8 4F	67TP 20MN 15/40	1 M / 1 M / 1 M /	A RLA	A OBS RCL RCL	AF124 AF124 AF124 AF124 AF124	2N990 2N990 2N990 2N990 2N990	0 0 0 0
2N1527 2N1529 2N1529A 2N1529A 2N1530 2N1530A	PG PG	T01 T03 X07 T03 X03	L05	40V 40V 60V	301	0V5 20V 20V 30V 30V	10/	110C 110C 110C 110C	80MWF 106WC 106WC 106WC		M 4F	130TP 20/40 20/40 20/40 20/40	3 / 3 / 3 /	A AHO	S MOE S MOE S MOE	AF124 B ASZ16 B ASZ16 B ASZ16 B ASZ16	2N990 2N1536 2N1536 2N1536 2N1536	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T L XAM	P TOT	•	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2N1531 2N1531A 2N1532 2N1532A 2N1533	PG PG PG PG	X07 T03 X07	L05 L05 L05 L05		40V 40V 50V 50V 60V	500	10A	1100	106WC 106WC 106WC 106WC 106WC			20/40 20/40 20/40 20/40 20/40	3A 3A 3A 3A	АНА ННА АНА АНА	MOB MOB MOB	ASZ15 ASZ15 ASZ15 ASZ15 ASZ15	2N1533 2N1533 2N1533 2N1535 2N1535 2N1533	0 0 0 0
2N1534 2N1534A 2N1535 2N1535A 2N1536	PG PG PG PG	X07 T03 X03	L05 L05 L05 L05 L05	40V 40V 60V 60V 80V	20V 20V 30V 30V 40V	20 V 30 V 30 V	1CA 1OA 1OA 1OA	110C	1 06WC 106WC 106WC 106WC 106WC		!	35/70 35/70 35/70 35/70 35/70	3A 3A 3A 3A	AHG AHG AHG AHG	MOB MOB MOB	ASZ16	2N1536 2N1536 2N1536 2N1536 2N1533	0 0 0 0
2N1536A 2N1537 2N1537A 2N1538 2N1539	PG PG PG PG	T03 X07 T03	L05 L05 L05 L05 L05	80V 100V 100V 120V 40V	40V 50V 50V 60V 20V	50V 50V 60V	10A 10A 10A 10A 1CA	110C 110C	106WC 106WC 106WC 106WC			35/70 35/70 35/70 35/70 50/100	3A 3A 3A 3A	AHH AHH AHH AHH AHG	MOB MOB MOB	ASZ15 ASZ15	2N1533 2N1533 2N1533 2N1533 2N1536	0 0 0 0
2N1539A 2N1540 2N1540A 2N1541 2N1541A	PG PG PG PG	T03 X07 T03	L05 L05 L05 L05 L05	40V 60V 60V 80V 80V	20V 30V 30V 40V 40V	30V 30V 40V	10A 10A 10A 10A	110C 110C 110C 110C 110C	106WC 106WC 106WC 106WC 106WC	100K 100K 100K		50/100 50/100 50/100 50/100 50/100	3A 3A 3A 3A	AHG AHG AHG AHG	MOB MOB MOB	ASZ16 ASZ16 ASZ16	2N1536 2N1536 2N1536 2N1536 2N1536	0 0 0
2N1542 2N1542A 2N1543 2N1544 2N1544A	PG PG PG PG	X07 T03 T03	L05 L05 L05 L05 L05	10 0V	50V 50V 60V 20V	50V 60V 20V	10A 10A 10A 10A	110C 110C 110C	106WC 106WC 106WC 106WC 106WC	100K 100K 100K		50/100 50/100 50/100 75/150 75/150	3A 3A 3A 3A	AHH AHG	MOB MOB MOB	ASZ15 ASZ15 ASZ16	2N1533 2N1533 2N1533 2N1536 2N1536	0 0 0
2N1545 2N1545A 2N1546 2N1546 2N1547	PG PG PG	X07 T03 X07	L05 L05 L05 L05 L05	60V 60V 80V 80V 100V	30V 30V 40V 40V 50V	30V 40V 40V	10A 10A 10A 10A	110C 110C	106 WC 106 WC 106 WC 106 WC	100K 100K		75/150 75/150 75/150 75/150 75/150	3A 3A 3A 3A	AHG AHG	MOB MOB MOB	ASZ16 ASZ16 ASZ16	2N1536 2N1536 2N1536 2N1533 2N1533	0 0 0
2N1547A 2N1548 2N1549 2N1549A 2N1550	PG PG PG PG	T03 T03 T03	L05 L05 L05 L05		50V 60V 20V 20V 30V	60 V 20 V 20 V	10A 10A 20A 20A 20A	110C 110C 110C	106WC 106WC 106WC 106WC 106WC	100K		75/150 75/150 10/30 10/30 10/30	3A 3A 10A 10A	AHG	MOB MOB MOB	ASZ15	2N1533 2N1533 2N1166 2N1166 2N1166	0 0 0
2N1550A 2N1551 2N1551A 2N1552 2N1552A	PG PG PG PG	T03 T03 T03	L05 L04 L05 L05	6CV 80V 80V 100V 100V	30V 40V 40V 50V	40V 40V 50V	20A 20A 20A 20A 20A		106 WC 106 WC 106 WC 106 WC 106 WC			10/30 10/30 10/30 10/30 10/30	1 CA 10A 10A 10A 1CA	AHG AHG AHH	MOB MOB		2N1166 2N1166 2N1166 2N1166 2N1166	0 0 0
2N1553 2N1553A 2N1554 2N1554 2N1555	PG		L05 L05 L05 L05 L05	4CV 40V 60V 60V 8CV	30 v	20V 30V 30V	20A 20A	110C 110C 110C 110C 110C	106WC 106WC 106WC 106WC			30/60 30/60 30/60 30/60 30/60	104	AHG AHG AHG	MOB MOB MOB MOB MOB		2N1166 2N1166 2N1166 2N1166 2N1166	0 0 0
2N1555A 2N1556 2N1556A 2N1557 2N1557A	PG PG	T03 T03 T03 T03	L 05 L 05 L 05 L 05 L 05		50V 50V 20V	40V 50V 50V 20V 20V	20A 20A 20A	110C 110C 110C 110C 110C	106WC 106WC 106WC 106WC 106WC			30/60 30/60 30/60 50/100 50/100	10A 10A	AHH AHH AHG	MOB		2N1 166 2N1 166 2N1 166 2N1 166 2N1 166	0 0 0
2N1558 2N1558A 2N1559 2N1559A 2N1560	PG PG	T03 T03 T03 T03 T03	L05 L05 L05 L05 L05	60V 60V 80V 80V 100V	30V 40V 40V	30V 30V 40V 40V 50V	20A 20A 20A	110C 110C 110C 110C 110C	106WC 106WC 106WC 106WC 106WC			50/100 50/100 50/100 50/100 50/100	10A 10A 10A	AHG AHG	MOB MOB		2N1166 2N1166 2N1166 2N1166 2N1166	0 0 0 0
2N1560A 2N1561 2N1562 2N1564 2N1565	PG PG NS			100V 25V 25V 80V 80V	50V 25V 25V 60V 60V		20A 500MA 500MA 100MA 100MA	100C 175C	106WC 250MWF 25CMWF 600MWF 600MWF	250M 225M 60M		50/100 5MN 5MN 15/50 30MN	200MA 200MA 5MA	VMP VMP RLH	MOB OBS		2N1166 2N1561 2N2219A 2N2219A	
2N1566 2N1566A 2N1572 2N1573 2N1574	NS NS	T039 T039 T05 T05 T05	L04	80V 80V 125V 125V 125V	000 000 008 008 008		100MA 100MA 100MA 100MA 100MA	175C 175C 175C	600MWF 600MWF 600MWF 600MWF	100 M 12 M 30 M	6 P 10 P 10 P	60/200 60/200 15/50 30/100 60/200	5MA 5MA 5MA	RLH ALH ALH	SES TIB TIB	85W54 85W54 8FY65 8FY65 8FY65	2N2219A 2N2219A 2N1990 2N1990 2N1990	
2N1595-99 2N1600-04 2N1605 2N1605A 2N1613	TH NG NG	T05 T05 T05	L04 L04 L04	25V 40V 75V	24V 50V	12V 12V 7V	100MA 100MA 600MA	100C	200MWF 200MWF 800MWF	2 M	24P 24P 25P	40/120 40MN 40/120	2 0 MA 20 MA 150 MA	RMS	RCU RCU	ASY29 ASY29 BFY50	2N1 304 2N1 304 2N1 297	00000
2N1616 2N1617 2N1618 2N1631 2N1632	NS NS PG	T061 T061 T061 T05 T05	L46 L46 L46 L04 L04	60V 80V 100V 34V 34V	60V 70V 80V	8V 8V 8V 1V	5A 5A 5A 10MA 10MA	175C	85WC 85WC 85WC 80MWF 80MWF	3M 3M 3M 20 M 20 M	4 P 4 P	15/75 15/75 15/75 80TP 80TP	2A 2A 1MA	AHH AHH			2N1618 2N1618 2N1618 2N1618 2N990 2N990	00000
2N1633 2N1634 2N1635 2N1636 2N1637	PG PG PG	T05 T05 T05 T05 T05	L04 L04 L04 L04 L04	34V 34V 34V 34V 34V		1 V 1 V 1 V 1 V 1 V 5	10MA 10MA 10MA 10MA 10MA	85C 85C 85C 85C 85C	80MWF 80MWF 80MWF 80MWF 80MWF	20M 20M 20M 20M 20M	4P 4P 4P 4P	75TP 75TP 75TP 75TP 80TP	1 MA 1 MA 1 MA	RLG RLG RLG	RCU RCU RCU	AF124 AF124 AF124 AF124 AF124	2N990 2N990 2N990 2N990 2N990	0 0 0 0

TRANSISTOR NUMBER	PM QA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	F <sub>T</sub> (	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2N1638 2N1639 2N1651 2N1652 2N1653	PG PG PG PG	TC1 T05 X07 X07 X07	L02 L04 L05 L05 L05	34V 34V 60V 100V 120V	30V 60V 80V		10MA 10MA 25A 25A 25A	85C 85C 110C 110C 110C	80MWF 80MWF 106WC 106WC 106WC	20 M 50 M 600 K 600 K 600 K	4 P 4 P	75TP 75TP 35/140 35/140 35/140	1 MA 1 MA 1 GA 1 GA 1 GA	RLG RLG RHG RHH RHH		AF124	2N990 2N990 2N2287 2N2287 2N2287	00000
2N1667 2N1668 2N1669 2N1671 2N1671A	PG PG UJ LJ	T03 T03 T03	L05 L05 L05	60V 60V 60V	32V 32V 32V	2V 2V 2V	10A 10A 10A	90C 90C 90C	30MC 30MC 30MC	100K 100K 1005		35/80 20/45 20/65	6A 6A 6A	AHG AHG AHG UJT UJT	08 S 08 S 08 S GEU GEU	ASZ16	2N1536 2N1536 2N1536	0 0 0 0
2N1671B 2N1671C 2N1686-89 2N1692 2N1693	UJ TH PG PG	T0102 T0102	L04	25V 25V	25V 25V	3V 2 V	500MA 500MA	10 0C 100C	350MWF 350MWF	250 N 225 N	10P 10P	5MN 5MN	10 MA 10 MA	TLU TLU YHT YMP PMV	GEU GEU MOB MOB		2N1561 2N1561	0 0 0 0
2N1700 2N1701 2N1702 2N1705 2N1706	NS NS NS PG PG	T05 T08 T03 T05 T05	L04 L12 L05 L04 L04	60V 60V 60V 18V 25V	40V 40V 60V	6 V 6 V 6 V 5 V 5 V	14 2500 MA 5A 400 MA 400 MA	200C 200C 200C 100C 100C	5WC 25WC 75WC 200MWF 200MWF		40 P	20/80 20/80 15/60 70MN 60/120	100MA 300MA 800MA 10MA 20MA	AMG AHG AHG AMG AMG		ZT1486 BDY20 ACY17	2N2297 2N1486 2N3055 2N1188 2N1188	00000
2N1707 2N1708 2N1708A 2N1709 2N1710	PG NS NS NS	105 1046 1046 108 108	L04 L01 L01 L12 L12	30V 25V 25V 60V	20V 12V 45V 45V	10V 3V 3V 4V 3V	400MA 200MA 500MA 2A 2A	100C 175C 175C 175C 175C	200 MWF 30 CMWF 30 CMWF 15WC 15WC	1200K 200 M 300 M 150M 120M	4 CP 6 P 6 P	40/150 40/120 30/120 8/75 8/75	10MA 10MA 10MA 350MA 350MA	AMG VLS RLS VHG VHG	MOB MOB RCU TRW TRW	BSX20	2N1188 2N2369 2N2369 2N2782 2N2782	0 0 0
2N1711 2N1711A 2N1714 2N1715 2N1716	NS NS NS NS	T05 T0105 T05 T05 T05	L04 L24 L04 L04 L04	75V 75V 90V 150V 90V	50V 32V 60V 100V 60V	7 V 7 V	600MA 1A 1A 1A	175C 175C 200C 200C 200C	800MWF 100MWF 15WC 15WC	70 M 70 M 16 M 16 M 16 M	25P 25P	100MN 100MN 20/60 20/60 40/120	150MA 150MA 200MA 200MA 200MA	AMG AMG AMG AMH AMH	SG I SG I T I B T I B T I B	8FY50 8FY50	2N2 29 7 2N2 29 7	0 0 0 0
2N1717 2N1718 2N1719 2N1720 2N1721	NS NS NS NS	T05 X26 X26 X26 X26 X26	L04 L59 L59 L59 L59	150V 90V 150V 90V 150V	100V 60V 100V 60V 100V		1 A 1 A 1 A 1 A	200C 200C 200C 200C 200C	15WC 15WC 15WC 15WC 15WC	16 M 16 M 15 M 16 M 16 M		40/120 20/60 20/60 40/120 40/120	2 CO MA 2 C G MA 2 C G MA 2 G G MA 2 G G MA	AMH AMG AMH AMH AHG	TIB TIB TIB TIB TIB			0 0 0 0
2N1724 2N1724A 2N1725 2N1742 2N1751	NS NS NS PG PG	T061 T061 T061 T05 T03	L46 L46 L46 L04 L05	120V 18CV 120V 20V 80V	80 V 120 V 80 V	10V 10V 0V5	5A 5A 5A 50MA 25A	200C 200C 200C 125C 110C	117hC 117WC 117WC 60MWF 106WC	10M 10M 10M 150M 600K	550P	20/90 30/90 50/150 10MN 30/90	2 A 2 A 2 M A	RHH RHH RHH VLG RHH	MOB SEU MOB MOB MOB	AF106	2N1725 2N1725 2N1725 2N1725	0 0 0
2N1754 2N1755 2N1755 2N1756 2N1757	PG PG PG	T05 OBS OBS OBS OBS	L04 08S 08S 08S 08S	13V 40V 40V 60V 80V	300	30V 30V 30V	100MA 3A 3A 3A	85 C 95 C 95 C 95 C 95 C		30M 150K 150K 150K 150K	3P	20MN 30/75 30/75 30/75 30/75	40MA 500MA 500MA 500MA 500MA	AHG AHG	OBS OBS	AF124 AD162 ASZ16 ASZ16 ASZ16	2N990 2N2835 2N1536 2N1536 2N1536	0 0 0 0
2N1758 2N1759 2N1760 2N1761 2N1762		08S 08S 08S 08S 08S	08S 08S 08S 08S 08S	100V 40V 60V 80V 100V	50V 65V	30 V	3A 3A 3A 3A 3A	95C 95C 95C 95C 95C	28WC 28WC 28WC 28WC 28WC	150K 150K 150K 150K 150K		35/75 60/150 60/150 60/150 60/150	500MA 500MA 500MA 500MA 500MA	AHG	08S 08S	ASZ16 ASZ16 ASZ16 ASZ16 ASZ16	2N1536 2N1536 2N1536 2N1536 2N1536	0 0 0
2N177C-78 2N1792-99 2N1800-07 2N1808 2N1842-50	TH TH NG	105	L 04	25 V	25V	20 <b>V</b>	300MA	85 C	150MWF	6 M	24F	60MN	20MA	THY THY THY RMS THY	SES MCB MOB TIB SES	ASY29	2N1 304	0 0 0
2N1869-85 2N1889 2N1890 2N1893 2N1905		105 105 105 103	L04	100V 100V 120V 60V	60V 60V 80V 40V	7 V 7 V	500MA 600MA 500MA 10A		80CMWF 800MWF 800MWF 50WC	60 M	19P 15P 15P		150 MA 150 MA 150 MA 150 MA	AMH AMH	ATI MUB	BSW66 BSW66 BSW66 ASZ16	2N4 00 1 2N4 00 1 2N4 00 1 2N4 00 1 2N1 53 6	0000
2N1906 2N1907 2N1908 2N1909-16 2N1924	PG PG PG TH PG		LC5	130V 100V 130V	60V 40V 50V	1V5 1V5		100C 100C	30WH 60WC 60WC 225MWF	2M 10M 10M 800K	3 O P	40MN 30/170 30/170 30MN	1 CA 1 O A	RHG RHG RHG THY AMH	118	1	2N2147 2N1188	0 0 0 0
2N1925 2N1926 2N1929-35 2N1936	PG PG TH	T05	L04 L04		40V 40V 60V	25 V	500MA 500MA		225MWF 225MWF 200WC	20.0K	30 P 30 P 1N 8	47MN 65MN	1 COMA 1 COMA	AMH THY	мов	ACY17 ACY17 BDY20	2N1188 2N1188 2N3055	0 0 0
2N1937 2N1937 2N1959 2N1970 2N1972 2N1973 2N1974	NS NS PG NS NS	T05 T036 T05	L04 L13 L04 L04	125V 60V	50V 30V 40V 60V	5V 40V 5V 5V	20A 500MA	200C 175C 110C 175C 175C	200WC 200WF 170WC 800MWF 800MWF 800MWF	4M 100M 50M 60M	1N8	10/50 10/50 40/120 10MN 110MN 75MN 35MN	10A 15CMA 10A 50MA 10MA	AHH VMS AHG AMG AMG	MOB MOB FCU SGI	BDY20	2N3055 2N3055 2N5859 2N1100 2N2297 2N2297 2N2297 2N1893	0 0 0 0 0
2N1975 2N1980 2N1981 2N1982 2N1983	NS PG PG PG	T05 T036 T036 T036	L04 L13 L13 L13 L04	100 V 50 V 70 V 90 V	60 V 30 V 40 V 50 V	7V 20V	200MA 15A 15A 15A	175C 110C 110C 110C	800MWF 170WC 170WC 170WC 600MWF	40M	15P	15 MN 50/100 50/100 50/100	L CMA 5A 5A 5A	ALH AHG AHG AHG	FCU MCB MOB MOB	85W66 ADZ12 ADZ12 ADZ12	2N1893 2N1100 2N1100 2N1100 2N1297	0 0 0 0

TRANSISTOR NUMBER	PM DA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2N1984 2N1985 2N1986 2N1987 2N1988	NS NS NS NS	105 105 105 105 105	L04 L04 L04 L04 L04	50V 50V 50V 50V 100V	25V 25V 25V 25V 45V	5V 5V 5V 5V	1A 1 A	175C 175C 175C 175C 175C	800MWF 800MWF 600MWF 600MWF	40M 40M 40M	45P 15P 35P 35P 20P	35MN 15MN 60/240 20/80 35/120	10MA 10MA 150MA 150MA 30MA	ALG ALG AMG AMG ALH	SGI SGI SGI	BFY50 BFY50 BFY50 BFY50 BSW66	2N2297 2N2297 2N2297 2N2297 2N2297 2N1893	0 0 0
2N1989 2N1990 2N1990R 2N1991 2N2008	NS NS NS PS NS	TC5 T05 T018 T05 T05	L01	100V 100V 100V 30V 175V	45V 60V 60V 20V	5 V 3 V 3 V 5 V 8 V	1A 1A	175C 175C 175C 175C 200C	600MWF 600MWF 250MWF 600MWF 800MWF	40M	20P 20P 45P 15P	20/60 20MN 25MN 15/60 40/120	30MA 30MA 30MA 150MA 50MA	ALH ALH ALG	SGI SEU SGI	BSW66 BC394	2N1893 2N1893 2N4390 2N4036 2N4001	0 0 0
2N2009-14 2N2015 2N2016 2N2017 2N2023-31	NS NS NS	1036	L13 L13 L04	100V 130V 60V	50V 65V 60V		10A	200C 200C 175C	150WC 150WC 1WF	500K		15/50 15/50 50/200	5A 5A 200MA	THY AHG AHG AMG THY	RCU RCU NAT	ZT2016 ZT2016 BFY50		0
2N2O42 2N2O43 2N2O44-47 2N2O49 2N2O6O	PG PG TH NS	1		105V 105V 75V	50 V	75 V 75 V 7 V	200MA 200MA 500MA	100C	200MWF 200MWF 800MWF	400K	25P 25P 25P		5MA 5MA 150MA	AMH AMH THY AMG DUA	MOB	ACY17 BFY50	2N2297	0
2N2O6CA 2N2O74 2N2O75 2N2O75A 2N2O76	NS TH PG PG	T036	L13 L13	80V 80V 70V	65 V	40V 40V 35V	15A	110C 110C 110C	170WC 170WC 170WC	100K		20/40 20/40 20/40	5 A 5 A 5 A	EUA THY AHG AHG	мов	ADZ12 ADZ12	2N1100 2N1100 2N1100	000
2N2076A 2N2077 2N2077A 2N2078 2N2078A	PG PG PG PG	T036 T036 T036	L13 L13 L13 L13	70V 50V 50V 40V 40V	45V 25V	25V 25V	15A 15A 15A	110C 110C 110C 110C 110C	170WC 170WC 170WC 170WC 170WC	100K 100K 100K		20/40 20/40 20/40 20/40 20/40	5A 5A 5 A 5 A	AHG AHG	MOB MOB	ADZ12	2N1100 2N1100 2N1100 2N1100 2N1100	0
2N2079 2N2079A 2N2080 2N2080A 2N2081	PG PG PG PG	T036 T036 T036	L13 L13 L13 L13 L13	80V 80V 70V 70V 50V	65 V 55 V 55 V	40V 40V 35V 35V 25V	15A 15A 15A	110C 110C 110C 110C 110C	170WC 170WC 170WC 170WC 170WC	100K 100K 100K		35/70 35/70 35/70 35/70 35/70	5A 5A 5A 5A 5A	AHG AHG AHG AHG	MOB MOB MOB		2N1100 2N1100 2N1100 2N1100 2N1100	0
2N2081A 2N2082 2N2082A 2N2096 2N2097	PG PG PG PG	-	L13 L13 L13 L59 L59	50V 40V 40V 25V 40V	45V 25V 25V 12V 20V	2CV 2OV 2CV 4V 4V	15A 15A	110C 110C 110C 100C 100C	170WC 170WC 170WC 500MWF 500MWF	100K 100K 1G	20P 20P	35/70 35/70 35/70 15MN 20MN	5A 5A 5A 400MA 400MA	AHG AHG AHG UMS UMS	MOB MOB MOB	ADZ12	2N1100 2N1100 2N1100	0
2N2099 2N2100 2N2102 2N2137 2N2137A	NS PG	T05 T05 T05 T03 T03	L04 L04 LE4 L05 L05	25 V 40 V 120 V 30 V 30 V	200	7٧	3 A		300 MWF 300 MWF 1 WF 70 WC 70 WC	16	20P 20P	15MN 20MN 40/120 30/60 30/60	400MA 400MA 10MA 500MA 500MA	UMS AMH AHG	RC U MOB	BSW66 ASZ16 ASZ16	2N4001 2N1536 2N1536	0 0
2N2138 2N2138A 2N2139 2N2139A 2N2140	PG PG PG PG	T03 T03 T03 T03	L05 L05 L05 L05 L05	45V 45V 60V 60V 75V	30V 30V 45V 45V 60V	30V 30V	3A 3A	110C 110C 110C 110C 110C	70WC 70WC 70WC 70WC 70WC			30/60 30/60 30/60 30/60 30/60	500MA 500MA 500MA 500MA 500MA	AHG AHG AHG AHG	MOB MOB MOB	ASZ16 ASZ16 ASZ16 ASZ16 ASZ15	2N1536 2N1536 2N1536 2N1536 2N1533	0 0 0
2N2140A 2N2141 2N2141A 2N2142 2N2142	PG PG	T03 T03 T03 T03 T03	L05 L05 L05 L05 L05	75V 90V 90V 30V 30V	65V 65V 20V	40 V 45 V 45 V 15 V 15 V	3A 3A	110C 110C 110C 110C 110C	7 CWC 70WC 70WC 70WC 70WC			30/60 30/60 30/60 50/100 50/100	500MA	AHH AHG	MOB MOB MOB	ASZ15 ASZ15 ASZ15 ASZ16 ASZ16	2N1533 2N1533 2N1533 2N1536 2N1536	0 0
2N2143 2N2143A 2N2144 2N2144A 2N2145	P G P G	T03 T03 T03 T03 T03	L05 L05 L05 L05 L05	45V 45V 60V 60V 75V	45V 45V	25V 25V 30V 30V 40V	3A	110C 110C 110C 110C 110C	70WC 70WC 70WC 70WC 70WC			50/100 50/100 50/100 50/100 50/100	500MA 500MA 500MA 500MA 500MA	AHG AHG	MOB MOB MOB	ASZ16 ASZ16 ASZ16 ASZ16 ASZ16	2N1536 2N1536 2N1536 2N1536 2N1533	0000
2N2145A 2N2146 2N2146A 2N2147 2N2147	PG PG	T03 T03 T03 T03 T036	L05 L05 L05 L05 L13	75V 90V 90V 75V 45V	60V 65V 65V 50V 35V	45V 45V 1V5	5A	110C 110C 110C 100C 110C	70WC 70WC 70WC 12WC 170WC	1M 100K		50/100 50/100 50/100 100MN 25MN	500MA 500MA 1A	AHH	MOB MOB RCU	ASZ15 ASZ15 ASZ15 AL 100	2N1533 2N1533 2N1533 2N1533	0 0 0 0
2N2153 2N2154 2N2156 2N2157 2N2158	PG	1036 1036 1036 1036 1036	L 13 L13 L13 L13 L13	60V 75V 45V 60V 75V	45V 60V 30V 45¥ 60V	40 V 25 V 30 V	30A 30A 30A	110C 110C 110C 110C 110C	170WC 170WC 170WC 170WC 170WC	100K 100K 100K		25MN 25MN 40MN 40MN 40MN	15A	AHG AHG	MOB	# **		0 0 0
2N2160 2N2192 2N2192A 2N2192B 2N2193	NS NS	105 105 105 105	L04 L04 L04 L04	60V 60V 60V 80V	40 V 40 V 40 V 50 V	5 V 5 V 5 V 8 V	1 A 1 A	200C 200C 200C 175C	800MWF 800MWF 800MWF 800MWF	50M 50M	20P 20P 20P 20P	100MN 100MN 100MN 40/120		RMS AMG	MOB MOB MOB	BFY50 BFY50 BFY50 BSW66	2N2297 2N2297 2N2297 2N2297 2N4001	0000
2N2193A 2N2193B 2N2194 2N2194A 2N2194B	NS NS NS	T05 T05 T05 T05 T05	£ 04 L 04 L 04 L 04 L 04	80 V 80 V 60 V 60 V	50V 50V 40V 40V 40V	8 V 8 V 5 V 5 V	1A 1A 1A	175C 200C 200C 200C 200C	800MWF 800MWF 800MWF 800MWF 800MWF	50M 50M 50M		40/120 40/120 20/60 20/60 20/60		AMG AMG	MOB MOB MOB	BFY50	2N2297 2N2297 2N2297 2N2297 2N2297	00000

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	F C MIN	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2N2195 2N2195A 2N2195B 2N2196 2N2197	NS NS NS NS	TC5 T05 T05 T05F T05F	L04 L04 L04 L44 L44	45V 45V 45V 80V	25V 25V 25V 60V 60V	5V 5V 5V 8V	1 A 1 A 1 A 1 A	175C 175C 200C 175C 175C	600MWF 600MWF 600MWF 2WF 2WF	50M	20 P 20 P 20 P	20MN 20MN 20MN 30/90 75/200	150 MA 150 MA 150 MA 200 MA 200 MA	AMG AMG AMG AMH AMH	SG1 MOB SEU	BFY50 BFY50 BFY50	2N2297 2N2297 2N2297 2N2297 2N2197 2N2197	0 0 0 0
2N2205 2N2206 2N2217 2N2217A 2N2218	NS NS NS NS	T018 T046 T05 T05 T05	L01 L01 L04 L04 L04	25V 25V 60V 75V 60V	12V 12V 30V 40V 30V	3 V 3 V 5 V 6 V 5 V	200MA 200MA 800MA 800MA	175C 175C	300MWF 300MWF 800MWF 800MWF 800MWF	200 M 200 M 250 M 250 M 250 M	6 P 6 P 8 P 8 P	40/120 40/120 20MN 20MN 40/120		RLS RMS	SG I MOU MOU	BSX20 BSX20 BFX97 BFX97 BSW54	2N 236 9 2N 236 9 2N 221 9A 2N 221 9A 2N 221 9A	0 0 0 0
2N2218A 2N2219 2N2219A 2N2220 2N2220A	NS NS NS NS	T05 T05 T05 T018 T018	L04 L04 L04 L01 L01	75V 60V 75V 60V 75V	40 v 30 v 50 v 30 v 40 v	6 V 5 V 6 V 5 V	AMOUS AMOUS AMOUS AMOUS AMOUS		800MWF 800MWF 800MWF 500MWF 500MWF	250M 250M 300M 250M 250M	8P 8P 8P 8P	40/120 100MN 100MN 20MN 20MN	150MA 150MA 150MA	RMG RMG RMG RMS RMS	SGI SGI MOU	BSW54 BSW54 BSW54 BFX95 BFX95	2N 22 1 9A 2N 22 1 9A 2N 2 21 9A 2N 2 2 2 2A 2N 2 2 2 2 2A	00000
2N2221 2N2221A 2N2222 2N2222A 2N22223	NS NS NS NS	TC18 TO18 TO18 TO18	L01 L01 L01	60 V 75 V 60 V 75 V	30 V 40 V 30 V 40 V	5 V 6 V 5 V 6 V	AMDO8 AMOG8 AMOO8 AMOO8	175C 175C	500MWF 500MWF 500MWF 500MWF	250M 250M 250M 300M	8P 8P 8P 8P	4C/120 40/120 100MN 100MN	150MA	RMG RMG RMG RMG DUA	SGI SGI SGI MOB	85W64 85W64 85W64 85W64	2N2222A 2N2222A 2N2222A 2N2222A 2N2222A	00000
2N2223A 2N2242 2N2243 2N2243A 2N2243A	NS NS NS NS NS	T018 T05 T039 T018	LC1 L04 LC4 L01	40V 120V 120V 7V	15V 80V 80V 7V	5V 7V 7V 1V	20CMA 1.4 1.4 1.00MA	175C 200C 200C 175C	36 CMWF 800MWF 800MWF 300MWF	250 N 50 N 50 M 250 M	6 P 20 P 20 P 5 P	40/120 40/120 40/120 20MN	10MA 150MA 150MA 25MA	AMH	TIB TIB	BSX20 BSW66 BSW66 BSX20	2N2369 2N1893 2N1893 2N2369	0 0 0 0
2N2257 2N2258 2N2259 2N2259 2N2260-62 2N2270	NS PG PG TH NS	T018 T018 T018	L01 L01 L01	7V 7V 7V 60V	7 V 7 V 7 V 45 V	1 V 1 V 1 V	100MA 100MA 100MA	175C 100C 100C	300MWF 150MWF 150MWF	250 M 250 M 250 M	5P 8P 8P	40MN 20MN 40MN 50/200	25MA 25MA 25MA	UL S	MOB	85 X 20 A 5 Z 2 I A 5 Z 2 I B F Y 5 O	2N2369 2N2297	0 0 0 0
2N2273 2N2285 2N2286 2N2287 2N2288	PG PG PG PG	T018 T03 T03 T03	L01 L05 L05 L05 L05	25V 60V 100V 120V 40V	V 08	1V 1V5 1V5 1V5 0V7	100MA 25A 25A 25A 10A	100C 110C 110C 110C 110C	150MWF 106WC 106WC 106WC 70WC	250M 600K 600K 600K 450K	3P5	20/150 35/140 35/140 35/140 20/60	1MA 1CA 1OA 1OA 5A		MOB MOB MOB	AF106	2N2287 2N2287 2N2287 2N2287 2N1906	0 0 0
2N2289 2N2290 2N2291 2N2292 2N2293	PG PG PG PG	T03 T03 T03 T03	L05 L05 L05 L05 L05	80V 120V 40V 80V 120V	50 V 70 V 30 V 50 V 70 V		104	110C 110C 110C 110C 110C	70 WC 70 WC 70 WC 70 WC 70 WC	450K 450K 450K 450K 450K		20/60 20/60 50/120 50/120 50/120	5A 5A 5A 5A 5A	AHS AHS AHS AHS	MOB MOB MOB	AL100 AL100 AL100 AL100 AL100	2N1906 2N1906 2N1906 2N1906 2N1906	0 0 0 0
2N2297 2N2303 2N2322-29 2N2330 2N2331	PS TH NS	T05 T05 T018	L04 L04 L04 L01	80V 50V 30V 30V	35 V 35 V 20 V 20 V	7 V 5 V 5 V 5 V	1A 500MA 500MA 500MA		800MWF 600MWF 80CMWF 500MWF	60M	45P	40/120 75/200 50MN 50MN	150MA 150MA 10MA 10MA	AMG THY RMS	MUB MOB MOB	BFY50 BFS95 BSW64 BSW54	2N2297 2N4036 2N2222A 2N2219A	
2N2344-48 2N2351 2N2351A 2N2352 2N2352A	NS NS NS	1	L01 L01 L01	80V 80V 60V	50 v 50 v 40 v 40 v	8 V 8 V 5 V 5 V		200C 200C 200C 200C	400MWF 400MWF 400MWF 400MWF	2500K   50M	20P 20P 20P	40/120 40/120 20/60 20/60	150 MA 150 MA 150 MA 150 MA	RM G AMG	FCU FCU	85W64 85W64 85X33 85X33	2N2222A 2N2222A 2N731 2N731	
2N2353 2N23534 2N2357 2N2358 2N2359	NS NS PG PG	XO7	L01 L01 L05 L05		25V 25V 30V 60V 80V		50A	200C 200C 110C 110C	400MWF 400MWF 170WC 170WC		20P 20P	10MN 20MN 30/90 30/90 30/90	150MA 20A 20A		FC U MOB MOB	85X33 85W64	2N73L 2N73L	0 0 0 0
2N2368 2N2369 2N2369A 2N2381 2N2382	NS NS NS PG PG	T018 T018 T05	L01 L01 L01 L04 L04	40V 40V 40V 30V 45V	15v 15v 15v 15v 20v	4V 4V 4V 4V	500MA 500MA 500MA 500MA 500MA	175C 100C	360MWF 360MWF 360MWF 300MWF 300MWF	400M 500M 500M 300M 300M	4 P 4 P 6 P	20-60 40/120 40/120 25MN 25MN	10 MA 10 MA 10 MA 40 CMA	ULS VMS	SGI SGI MOB	BSX20 BSX20 BSX20	2N2 369 2N2 369 2N2 369 2N2 382 2N2 382	0 0 0 0
2N2386 2N2386A 2N2405 2N2410 2N2411	FE FE NS NS	T05 T05	L04 L04 LC1	140V 60V 25V	90 V 30 V 20 V		1A 800MA 100MA	1 "	1 k F 800 M W F 300 M W F	200M	119	60/200 30/120 20/60	150MA 150MA 10MA	RMS	116	B SW66 B SW54	2N1893 2N2219A 2N3965	0 0 0 0
2N2412 2N2415 2N2416 2N2417-22 2N2430	PS PG PG UJ	T072	L01 LC6 L06	1	20 V 10 V 10 V	0V3 0V3		100C 100C	300MWF 75MWF 75MWF 280MWF	500M 400M	2P 2P	40/120 10/200 8/200 60/210	}	ULA ULA UJT		AF239 AF239	2N3 965 2N2 430	0 0 0 0
2N2432 2N2432A 2N2443 2N2453 2N2453	N S N S N S N S	T018 T05	L 01 L 01 L 04	1		15V 18V 7V	100MA 100MA 200MA	Ì	30CMWF 300MWF 800MWF	20 M 20 M 50 M		50MN 50MN 50/150	1 MA	DUA		BSW66	2N4001	0 0 0 0
2N2454 2N2475 2N2476 2N2477 2N2480		T018 T05 T05	LC1 LO4 LO4	60V	6 V 20 V 20 V	50	200MA 500MA 500MA	175C	500MWF 600MWF 600MWF	250M	10P	20MN		RMS RMS	SGI	85X20 85W54 85W54	2N2369 2N2219A 2N2219A	

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	•	OB VIAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ıss
2N248CA 2N2481 2N2483 2N2484 2N2490	NS NS NS NS PG	T018	L01 L01 L01 L13	40V 60V 60V 70V	15 V 60 V 60 V 50 V	5 V 6 V 6 V 40 V	200 MA 50 MA 50 MA 15 A	175C	360MWF 360MWF 360MWF 170WC	50M 50M	5P 6P 6P	40/120 40MN 100MN 20/40	10MA 10UA 10UA	DUA VLS ALN ALN AHG	MOB SGI SGI	BSX20 BC109 BC109	2N2369 2N930 2N930 2N1100	0000
2N2491 2N2492 2N2493 2N2497-99 2N2500	PG PG FE FE	T036 T036 TC36	L13 L13 L13	60V 80V 100V	40 V 65 V 75 V	607	15A 15A 15A	110C 110C 110C	170WC 170WC 170WC	125K		35/70 25/50 25/50	5 A 5 A 5 A	AHG AHG AHH FET	MOB MOB TIB	ADZ12 ADZ12	2N1100 2N1100 2N1100	0 0 0
2N25C1 2N25O2-O8 2N25O9 2N251O 2N2511	NS TH NS NS	T018	L01 L01 L01	40 V 125 V 100 V 80 V	20V 80V 65V 50V	6 V 7 V 7 V 7 V	500MA 50MA 50MA 50MA	175C 175C	360MWF 350MWF 350MWF 350MWF	45N 45N	4P 6P 6P	40MN 150MN	1 GMA 10 MA 10 MA 1 GMA	VLS THY ALH ALG ALH	FCU FCU	BS X21 BC107	2N2369 2N1990F A157 A157C	0 0 0 0
2N2526 2N2527 2N2528 2N2537 2N2538	PG PG PG NS	103 103 105	L05 L05 L05 L04 L04	120V 160V 60V	80 V 120 V 160 V 30 V 30 V	5V 5V 5V	10A 10A 10A 500MA 500MA	110C 110C	85WC 85WC 85WC 800MWF 800MWF	300K 300K 250M	8 P 8 P	1	3A 3A 3A 150MA 150MA	AHH AHE AHE VMS	MOB MOB MOB	AL 100 AL 100	2N1533 2N1906 2N1906 2N5859 2N5859	0 0
2N2539 2N2540 2N2542-50 2N2552 2N2553	NS NS TH PG PG	T018	L01 L01 L59 L59		30V 30V 30V 40V	5V 20V	500MA 500MA 3A		500MWF 500MWF 450MWF 450MWF	250M 225K	8 P	1	150MA 150MA 3A 3A	VMS VMS THY AHG AHG	MOB		2N5859 2N5859 2N2555 2N2555	0
2N2554 2N2555 2N2556 2N2557 2N2558	PG PG PG	X 26	L59 L59 L59 L59	100V 40V 60V	50V 60V 30V 40V 50V	20V 20V 20V	3A 3A 3A 3A	100C 100C 100C	45 CMWF 45 OMWF 45 OMWF 45 OMWF 45 OMWF	225K 225K 225K 225K		20/60 20/60 20/60 20/60 20/60	3A 3A 3A 3A	AHH AHG AHG AHG	MOB MOB MOB		2N2555 2N2559 2N2559 2N2559 2N2559	0 0
2N2559 2N2560 2N2561 2N2562 2N2563	PG PG PG PG	X26 X26 X26 X26 X26	159 159 159 159	40V 60V 80V	60V 30V 40V 50V 60V	20V 20V 20V	3A 3500MA 3500MA 3500MA 3500MA	100C 100C 100C	450MWF 450MWF 450MWF 450MWF 450MWF	250K 250K 250K		20/60 20/60 20/60 20/60 20/60	3A 3A 3A 3A	AHH AHG AHG AHG	MOB MOB		2N2555	0 0
2N2564 2N2565 2N2566 2N2567 2N2573-75	PG PG PG PG	T05 T05 T05 T05	L04 L04 L05 L04		30V 40V 50V 60V	20V 20V	3500MA 3500MA 3500MA 3500MA	100C 100C	450MWF 450MWF 450MWF 450MWF	250K 250K		20/60 20/60 20/60 20/60	3A 3A 3A 3A	AHG AHG AHG AHH THY	MOB MOB MOB			0 0 0
2N2586 2N2604 2N2605 2N2605A 2N2606-09	PS	T046 T046	LC1 LO1 LO1	607	45V 45V 45V 45V		30MA 30MA 30MA 30MA	200C	300MWF 400MWF 400MWF 400MWF	30M 30M	10P 6P 6P			ALN ALN	MOB MOB	BC109 BC179 BC179 BC179	2N930 2N3965 2N3965 2N3965	0000
2N2619 2N2620 2N2639-44 2N2645 2N2646	TH FE NS NS	T018	L01	75V	50 <b>v</b>	70	500MA	1 <b>7</b> 5C	500MWF	50₩	25 P	100MN	150 MA	THY FET DUA AMG UJT	MCE SGI		2N731	00000
2N2647 2N2651 2N2652 2N2652A 2N2653	NS NS NS NS	1018	£01	40 <b>V</b>	20 V	5٧	500MA	1750	360MWF	350M	4 P	2 5MN	10MA	UJT VLS DUA DUA THY	SG I MO B	BSX20	2N2 369	0 0 0 0
2N2657 2N2658 2N2679-90 2N2695 2N2696	PS		L04 L04 L01 L01		50V 70V 25V 25V	7V 7V 4V 4V	5A 5A 500MA 500MA	200C	44 KC 7WC 36 OMWF 36 OMWF	20M		15MN 15MN 30/130 30/130	5A 5A 50MA 50MA	THY RMG	SG1 FCU	B S W 2 4 B S W 2 4	2N2657 2N4877 2N2907A 2N2907A	
2N2706 2N2708 2N2710 2N2711 2N2711	PG NS NS	T01 T072 T018 T098 T098	L02 L06 L01 L21	32V 35V 40V 18V	32V 20V 20V 18V 18V		200MA 50MA 500MA 100MA	750 1750 1750 1750	500MWF 200MWF 360MWF 200MWF 200MWF	500K	1P 4P 12P 12P	65/120 30/200 40MN 30MN 75/225	50MA 2MA 10MA 2MA 2MA	AMG VLA VMS ALG	AMP RCU SGI GEU	AC128 BFX73 BSX20 BC1821	2N2706 2N918 2N2369 2N3710 2N3710	0 0 0 0
2N2713 2N2714 2N2715 2N2716 2N2716 2N2720	NS NS NS NS	T098 T098 T098	L 21 L 21 L 21 L 21	18V 18V 18V 18V	18V 18V 18V 18V	5V 5V 5V 5V	200MA 100MA 50MA	125C	200MWF 200MWF 200MWF 200MWF		1 2 P 1 2 P 5 P 5 P	30 MN 80 MN 30 MN 80 MN	2MA 2MA 2MA 2MA	ALG ALG ALG DUA	SEU GEU SEU GEU	BC182L BC182L BC182L	2N3710 2N3710 2N3710 2N3710	0 0 0 0
2N2721 2N2722 2N2723 2N2724 2N2725	NS NS NS NS NS	T072 T072 T072	L61 L61 L61	80V 80V 45V	600	12V 12V 10V	40MA 40MA 30MA		500MWF 500MWF 500MWF	100 M	10P	2000MN 7000MN 2000MN	10MA 10MA 10CUA	AL D	мов			0000
2N2728 2N2781 2N2782 2N2783 2N2784	NS NS NS	T036 T08 T08 T08 T08		15V 75V 100V 100V 75V	5 V	15 V 5 V 5 V 5 V 4 V	2A 2A 2A		15WC		~	40/130 8/75 8/75 8/75 8/75	20A 350MA 350MA 350MA 350MA	VHG VHG VHG	TRW TRW TRW		2N2782 2N2782 2N2782 2N2782	0 0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2N2785 2N2794 2N2800 2N2801	NS FE PS	T072 T05	L61 L04 L04	60V 50V 50V	40V 35V 35V	15V 5V 5V	100MA	175C	500MWF		25P	30/90	1 COMA	ALD FET AMG	SGI	BF S 9 5	2N4036	0 0 0
2N2815 2N2816 2N2817 2N2818 2N2819 2N2820	NS NS NS NS NS	T063 T063 T063 T063 T063 T063	L60 L60 L60 L60 L60	100V 150V 200V 80V	100 V 150 V 200 V 80 V 100 V	10V 10V 10V	800 MA 20 A 20 A 20 A 20 A 25 A 25 A	200C 200C 200C 200C 200C 200C 200C 200C	200WG 200WG 200WG 200WG 200WG 200WG 200WG	600K 600K 600K 600K 600K 600K	25P	75/225 10/50 10/50 10/50 10/50 10/50 10/50	150MA 10A 10A 10A 10A 15A 15A	AMG AHH AHE AHE AHH AHH	SEU SEU SEU SEU SEU SEU	BFS95	2N4036	0 0 0 0 0 0
2N2821 2N2822 2N2823 2N2824 2N2825	NS NS NS NS	T063 T063 T063 T063	L60 L60 L60 L60	80V 100V	150V 200V 80V 100V 150V	10 V 10 V 10 V 10 V 10 V	25A 25A 30A 30A 30A	200C 200C 200C 200C 200C	200WC 200WC 200WC 200WC 200WC	600K 600K 600K 600K 600K		10/50 10/50 10/40 10/40 10/40	15A 15A 20A 20A 20A	AHE AHE AHH AHH AHE	SEU SEU SEU SEU SEU			0 0 0 0
2N2832 2N2833 2N2834 2N2835 2N2837	PG PG PG PS	T03 T03 T03 X03 T018	L05 L05 L05 L05 L01	80V 120V 140V 32V 50V	50V 75V 100V 20V 35V	2V 2V 2V 10V 5V	20A 20A 20A 3A 800MA	110C 110C 110C 90C 175C	85WC 85WC 85WC 16WC 500MWF	10M 10M 10M 600K2 120M	- 1	25/100 25/100 25/100 30/100 30/90	10A 10A 10A 1A 150MA	RHG RHH RHH AHG AMG	MOB MOB MOB AMP SGI	AD162 BSW24	2N2287 2N2287 2N2287 2N2835 2N2907A	00000
2N2838 2N2840 2N2841-44 2N2845 2N2846	PS UJ FE NS NS	T018	L01 L01 L04	50V 60V 60V	35V 30V 30V	5V 5V	800MA 500MA 500MA	175C 175C 175C	500MWF 360MWF 800MWF	120M 250M 250M	25P 8P 8P	75/225 30/120 30/120	150MA 150MA 150MA	AMG UJT FET RMS RMS	SG I SG I SGI	BSW24 BSW64 BSW54	2N2907A 2N2222A 2N2219A	0
2N2847 2N2848 2N2857 2N2868 2N2883	NS NS NS NS	T018 T05 T072 T05 T039	L01 L04 L06 L04 L04	60V 60V 30V 60V 40V	20V 20V 15V 40V 20V	5V 2V 7V 4V	500MA 500MA 40MA 1A 300MA	175C 175C 175C 200C 200C	360MWF 800MWF 200MWF 800MWF 800MWF	250 M 250 M 1000 M 50 M 400 M	8P 8P 1P 20P	40/140 40/140 50MN 40/120 20MN	150MA 150MA 2MA 150MA	RMS RMS ULA AMG VMS	SGI SGI RCU FCU TIB	BSW64 BSW54 BFY90 BFY50	2N2222A 2N2219A 2N2857 2N2297	
2N2884 2N2888-9 2N2890 2N2891 2N2894	NS TH NS NS	T039 T039 T039 T018	L04 L04 L04 L01	40V 100V 100V 12V	20V 80V 80V 12V	4V 5V 5V 4V	300MA 2A 2A 200MA	200C	800MWF 800MWF 800MWF 360MWF		70P 70P 6P	20MN 30/90 50/150 30-150	100MA 1A 1A 30MA	VMS THY AHG AHG VLS	FCU FCU SGI	B SV64 B SV64 B SW24	2N4877 2N4877 2N3 546	0 0 0
2N2894A 2N2895 2N2896 2N2897 2N2903	PS NS NS NS	T018 T018 T018 T018	L01 L01 L01	12V 120V 140V 60V	12V 65V 90V 45V	4V 7V 7V 7V	200MA 1A 1A	200C 200C 200C 200C	360MWF 500MWF 500MWF 500MWF	800M 120M 120M 100M	15P 15P	20MN 40/120 60/200 50/200	10MA 150MA 150MA 150MA	ULS AMH AMH RMG DUA	MOB MOB	BSW25 BSW66 BSW66 BSW54	2N3546 2N1893 2N1893 2N2219A	0 0 0
2N2903A 2N2904 2N2904A 2N2905 2N2905A	PS PS	T05 T05 T05	LC4 LO4 LO4 LO4	60V	40V 60V 40V 60V	5 V 5 V	600MA 600MA 600MA	200C 200C	600MWF 600MWF 600MWF 600MWF	200M 200M	8P 8P 8P	100MN	150MA 150MA 150MA 150MA	AMG AMG	MUB MUB	BFX30 BFX30 BFX30 BFX30	2N2905A 2N2905A 2N2905A 2N2905A	0
2N2906 2N2906A 2N2907 2N2907A 2N2912	PS PS PS PS	TG18 TG18 TG18	L01 L01 L01 L01 L12	60V 60V 60V 60V 15V	40 V 40 V 40 V 60 V 5 V	5 V 5 V	600MA 600MA 600MA 600MA 25A	200C	400MWF 400MWF 400MW 400MW 75WC	200M 200M 200M	8P 8P 8P	40/120 40/120 100MN 100MN 200MN	150MA 150MA 150MA 150MA 5A	AMG AMG AMG	MUB MUB MUB	BSW24 BSW24	2N 29 07 A 2N 29 07 A 2N 29 0 7 A 2N 29 0 7 A	0
2N2913-2G 2N2972-79 2N2921 2N2922 2N2923		T098 T098 T098	L 21 L 21 L 21	25 V	25V 25V 25V	5٧	100MA 100MA 100MA	125C	360MWF 360MWF 360MWF	100	10P	55/110	2MA	DUA DUA ALG ALG	MCB SEU SEU	PBC 107	2N5039	0 0 0
2N2924 2N2925 2N2926 2N2926/B 2N2926/G	NS NS NS NS	T098	L21 L21 L21 L21 L21	25V 25V 25V	25V 25V 25V 25V 25V	5V 5V 5V	100MA	125C 100C	360MWF 360MWF 200MWF 200MWF 200MWF	100M 100M 100M	10P 10P 10P	235MN 35MN 35MN	2MA	ALN ALG ALG	SEU GEU GEU	PBC 107 PBC 109 PBC 107 PBC 107 PBC 109	2N6008 2N5309 2N5309	0 0
2N2926/0 2N2926/R 2N2926/Y 2N2927 2N2929	NS NS NS PS	T098 T098 T05	L21 L21 L21 L04	25 V 25 V 25 V	25V 25V 25V 25V 10V	5V 5V 4V	100MA 100MA 500MA	100C 100C 100C 175C 100C	200 MWF 200 MWF 200 MWF 800 MWF 300 MWF	100M 100M 100M	10 P 10 P	55MN 150MN 30/130	2MA 2MA 2MA 50MA 10MA	ALG ALG AMG	GEU GEU SG 1	PBCL 07 BFS95	2N5309	0 0 0
2N2938 2N2944 2N2945 2N2946 2N2947	NS PS PS PS	T046 T046	L01 L01 L01 LC1	15V 25V 40V	13V 10V 20V 35V 40V	15V 25V 40V	100MA	175C 100C 100C 100C 175C	300MWF 50CMWF 500MWF 500MWF 25WC	10M 5M 3M	10P 10P	80/180 80/180 80/180		ALC ALC	MOB MOB MOB		2N2369	0000
2N2948 2N2949 2N2950 2N2951 2N2952	NS NS NS NS	X26 T05	L 05 L 04 L 59 L 04 L 01	85V 85V 60V	20 V 40 V 40 V 20 V	3 V 3 V 5 V	700MA 250MA	175C 175C 175C 175C 175C	25W0 500MWF 700MWF 800MWF	100M 100M 200F	20P	5MN 5MN 20MN	400MA 400MA 400MA 150MA	VMP VMP	MOB MOB MOB			0 0 0
2N2955 2N2956 2N2957 2N2958 2N2959	PG PG PG NS	T018	L01 L01 L04 L04	40V 40V 60V	201	3V5 3V5 5V	100MA	100C 100C 100C 175C 175C	30 0M HF 30 0M WF 30 0M WF 60 0M WF	250M 300M 250M	4P 4P 4P 8P	40/120 100MN	150MA	VMS VMS RMG	M OB MOB MOB	ASZ21 ASZ21 ASZ21 BSW54 BSW54	2N2219/ 2N2219/	

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	•	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2N2972-73 2N2974-75 2N2978-79 2N2980-82 2N3001-08	NS NS NS NS													DUA DUA	MCB MCB MCB			0 0 0 0
2N30C9 2N3010 2N3011 2N3012 2N3013		T018 T018 T018 T018	LC1 LC1 LC1 LC1	40V 15V 30V 12V 40V	15V 6V 12V 12V 15V	4V 4V 5V 4V 5V	50MA	200C 175C 175C 175C 175C	36 CMWF 30 0MWF 36 0MWF 36 0MWF 36 0MWF	350 M 600 M 400 M 400 M 350 M	3P 3P 6P	30/120 25/125 30/120 30/120 30/120	30MA 10MA 10MA 30MA 30MA	VLS ULS VLS VLS VLS	SGI SGI SGI	BSX20 BSX20 BSX20 BSW24 BSX20	2N2369 2N2369 2N2369 2N3546 2N2369	0 0 0 0
2N3014 2N3015 2N3019 2N3020 2N3021	NS NS NS NS PS	105	L01 L04 L04 L04 L05	40V 60V 140V 140V 30V	20V 30V 80V 80V 30V	5 V 5 V 7 V 7 V 4 V	200MA 500MA 1A 1A 3A	200C 175C 190C 180C 175C	360MWF 800MWF 800MWF 800MWF 25WC	350M 250M 100M 80M 60M	5P 8P 12P 12P	25MN 30/120 100MN 40/120 20/60	100MA 150MA 150MA 150MA	VLS RMS AMH AMH VHS	SGI	BSX20 BSW54 BSW66 BSW66	2N2369 2N2219A 2N4001 2N1893	0 0 0 0
2N3022 2N3023 2N3024 2N3025 2N3026	PS PS PS PS	T03 T03 T03 T03 T03	L05 L05 L05 L05	45V 60V 30V 45V 60V	45V 60V 30V 45V 60V	4 V 4 V 4 V 4 V	3A 3A 3A 3A 3A	175C 175C 175C 175C 175C	25WC 25WC 25WC 25WC 25WC	60M 60M 60M 60M		20/60 20/60 50/180 50/180 50/180	1 A 1 A 1 A 1 A 1 A	VHS VHS	M GB M OB M OB M OB M OB			0 0 0
2N3027-32 2N3036 2N3043-48 2N3053 2N3054	NS	T05	L04 L04 L43	120V 60V 90V	80V 40V 60V	7V 5V 7V	200MA 700MA 4A		800 MWF LWF 25WC	50M 100M 750K	15P	50/150 50MN 25/100	150MA 150MA 500MA	DUA	MO8 MUB	BFY51 BUY38	2N2297 2N3054	0 0 0
2N3055 2N3055S 2N3056 2N3056A 2N3057	NS NS NS	T03 T046 T046	L05 L01 L01	100V 100V 100V 140V 100V	60V 60V 60V 80V 60V	7V 7V 7V 7V 7V	15A 15A 1A 1A	200C 200C	115WC 117WC 400MWF 400MWF 400MWF	800K	12P 12P 12P	20/70 20/70 40/120 40/120 100MN	4A 4A 150MA 150MA 150MA	AHG AMH AMH	SEU FCU FCU	BDY20 BDY20 BSW64 BSW66 BSW64	2N3055 2N3055 2N22222 2N1893 2N22222	0
2N3057A 2N3066-71 2N3072 2N3073 2N3081	NS FE PS PS	T05 T018	L01 L04 L01 L04	140V 60V 60V 70V	80V 60V 60V 50V	4٧	1A 500MA 500MA 600MA	180C 180C	40CMWF 80CMWF 360MWF 600MWF	130M 130M	10P	100MN 30/130 30/130 30/90	150MA 50MA 50MA 150MA	FET	SG I SG I	BSW66 BFS95 BSW24 BSW54	2N1893 2N4036 2N2907/ 2N2219/	
2N3084-89 2N3091-99 2N3100-06 2N3107 2N3108	TH	105	L 04		60V		1A		800MWF 800MWF	70M 60 M	20P 20P	100MN 40/120	150 MA			BSW66 BSW66	2N1893 2N1893	0
2N31C9 2N3110 2N3112-13 2N3114 2N3115	FE NS	105	L 04 L 04 L 04 L 01	80 V	40V 40V 150V 20V	7V 5V	1A 1A 200MA 600MA	190C	80CMWF 800MWF 800MWF 400MWF	60M	9 P	100MN 40/120 30/120 40/120	30 MA	AMG FET ALH	SG I	BFY50 BFY50 BSW66 BSW64	2N2297 2N2297 2N1893 2N2222	A (
2N3116 2N3117 2N3120 2N3121 2N3127	NS NS PS PS	T018 T05 T018	L01 L01 L04 L01 LC6	45V 45V	20 V 60 V 45 V 45 V 20 V	6 V 4 V 4 V	500MA 500MA	175C 180C	400MWF 360MWF 800MWF 360MWF 100MWF	60M 130M 130M	4P5 10P 10P	30/130	50MA	ALN	SGI SGI SGI	BSW64 BC109 BFS95 BSW24 AF239	2N2222 2N930 2N4036 2N2907	
2N3133 2N3134 2N3135 2N3136 2N3137	PS PS		L04 L04 L01 L01	50V 50V 50V	35V 35V 35V 35V 20V	4V 4V 4V	600MA 600MA 600MA 600MA	200C 180C 175C	600MWF 600MWF 400MWF 400MWF 80CMWF	200M 200M 200M	10P 10P 10P	100MN 40/120		A M G R M G R M G	MUB SGI NAT	BFX30 BFX30 BSW24 BSW24	2N29056 2N29056 2N29076 2N29076	A
2N3209 2N3210 2N3211 2N3227 2N3228	PS NS NS	T018	L01 L01 L01	40V 40V	20V 15V 15V 20V	5V 6V			360MWF 360MWF 360MWF 360MWF	300M	6 P 4 P	30/120 30/120 50/150 100MN	10MA		MOB MOB MOB	BSW24 BSX20 BSX20 BSX20	2N3546 2N2369 2N2369 2N2369	
2N3232 2N3235 2N3244 2N3245 2N3248	NS PS	T03 T03 T05 T05 T05	L05 L05 L04 L04	55V 40V 50V	60 V 55 V 40 V 50 V	7V 5V 5V	15A 1A 1A	200C 200C 200C 200C 200C	117WC 117WC 1WC 1WC 360MWF	175M 175M	25P 25P	1	3A 4A 500MA 500MA 100UA	AHG VMS VMS	MOB MOB MOB	BDY20 BDY20 BSW25	2N3055 2N3055 2N3546	
2N3249 2N3250 2N3250A 2N3251 2N3251A		T018	LC1	50V 60V 50V	60\ 40\	5 V 1 5 V	200MA 200MA 200MA	20 0C 180C 200C 180C 20 0C	360MWF 360MWF 360MWF 360MWF	250 M 250 M 300 M	6 P 6 P 6 P	50/150 50/150 100MN	10MA 10MA 10MA	REG	SGI NAT SG1	BSW25 BSW24 BSW24 BSW24 BSW24	2N3546 2N2907 2N2907 2N2907 2N2907	A A A
2N3252 2N3253 2N3254-59 2N3261 2N3269-76	N: N: N:	T05 T05 T018	L 04	750	401	50	14	175C 175C	1 W F	200 M	1 2 P		500MA 150MA	R MS	SGI RCU	BSW54 BSW54 BSW64	2N2219 2N2219 2N2222	Α
2N3277-71 2N3279 2N3280 2N3281 2N3282	8 F1	<b>=</b>	LOC	30V	20\ 15\		50MA	100C 100C 100C 100C		400 N	1P2 1P2		3M/	VLC	MOE MOE MOE	AF239 AF239 AF239 AF239		

TRANSISTOR Number	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	T	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2N3283 2N3284 2N3285 2N3286 2N3287	PG PG PG PS	T072 T072 T072 T072 T072	F06 F06 F06 F06	25V 25V 20V 20V 40V	20 <b>v</b>	0V5 0V5 0V5 0V5 3V	50MA 50MA 50MA 50MA	100C 100C 100C	100MWF 100MWF 100MWF 100MWF 200MWF	250M 250M 250M 250M 350M	1P5 1P5 1P5	10MN 10MN 5MN 5MN 15/100	3MA 3MA 3MA 3MA 2MA	VLG VLG VLG VLG FVG	MOB MOB MOB	AF239 AF239 AF239 AF239 BF200		0 0 0 0
2N3288 2N3289 2N3290 2N3291 2N3292	NS NS NS NS	T072 T072 T072 T072 T072	L06 L06 L06 L06	40 V 30 V 30 V 25 V	20 v 15 v 15 v	3 V 3 V 3 V 3 V	50MA 50MA 50MA 50MA	200C 200C	20 CM W F 200 M W F 200 M W F 200 M W F 200 M W F	350M 300M 300M 250M 250M	1P5 1P5 1P5 2P 2P	15/100 10/150 10/150 10MN 10MN	2MA 2MA 2MA 2MA 2MA	FVG FVG FVG FVG	MCB MCB MOB MOB MOB	BF200 BF200 BF200 BF200 BF200		0 0 0 0
2N3293 2N3294 2N3295 2N3296 2N3297	NS NS NS NS NS	T072 T072 T05 x26 T03	L06 L06 L04 L59 L05	20 V 20 V 60 V 60 V	40v 40v	3 V 3 V 5 V 3 V 3 V	50MA 50MA 250MA 700MA 1500MA	200C 200C 175C 175C 175C	20CMWF 200MWF 800MWF 70CMWF 25WC	250M 250M 200M 100M 100M	2P 2P 8P 20P 60P	10MN 10MN 20/60 5/50 6/60	2MA 2MA 10MA 40MA 40MA	FVG FVG VMP VMP VMP	MOB MOB MOB MOB	8F200 8F200		00000
2N3298 2N3299 2N3300 2N3301 2N3302	NS NS NS NS	TC18 TO5 TO5 TO18 TO18	LC1 LO4 LO4 LC1 LC1	25V 60V 60V 60V	30 v 30 v 30 v 30 v	3 v 5 v 5 v 5 v 5 v	100MA 500MA 500MA 500MA 500MA	175C 180C 180C	300MWF 800MWF 800MWF 360MWF 360MWF	200M 250M 250M 250M 250M	48 48 48 48	60/120 40/120 100MN 40/120 100MN	10MA 150MW 150MA 150MA 150MA	VLP RMG RMG RMG RMG	MOB SGI SGI SGI SGI	85W54 85W54 85W64 85W64	2N2219A 2N2219A 2N2219A 2N2222A 2N2222A	0
2N3303 2N3304 2N3307 2N3308 2N3309	NS PS PS PS NS	105 1018 1072 1072 1039	L04 LC1 L06 LC6 L04	25V 6V 40V 30V 50V	12V 6V 35V 25V 30 v	4 V 4 V 3 V 3 V 3 V	1A 200MA 50MA 50MA 500MA	175C 200C 200C 100C 175C	600MWF 300MWF 300MWF 30CMWF 1WF	450M 500M 300M 300M 300M	3P5 1P3 1P6	30/120 30/120 40/250 25/250 5/100	300MA 10MA 2MA 2MA 30MA	V#S VLS VLG VLG VPP		85X59 B5W25 BF497 BF497	2N3725 2N3546	00000
2N3311 2N3312 2N3313 2N3314 2N3315	P G G P G	T036 T036 T036 T036 T036	L13 L13 L13 L13 L13	30V 45V 60V 30V 45V	20V 30V 40V 20V 30V	20V 25V 30V 20V 25V	5 A 5 A 5 A 5 A	110C 110C 110C 110C 110C	170WC 17CWC 170WC 170WC 170WC	60K 60K 60K 100K 100K		60/120 60/120 60/120 100MN 100MN	3A 3A 3A 3A	AHG AHG AHG AHG AHG	MCB MCB	ADZ12 ADZ12 ADZ12 ADZ12 ADZ12	2N1100 2N1100 2N1100 2N1100 2N1100	0 0 0 0
2N3316 2N3323 2N3324 2N3325 2N3326	PG PG PG PS	T036 T018 T018 T018	L13 L01 L01 LC1 L04	60V 35 V 35 V 35 V 60 V	40 V	30v 3v 3v 3v 5v	5A 100MA 100MA 100MA 800MA	110C 100C 100C 100C 175C	170WC 15CMWF 150MWF 150MWF 800MWF	100K 200M 200M 200M 250M	3P 3P 3P 8P	100MN 30/200 30/200 30/200 40/120	3 A 3 MA 3 MA 3 MA 150 MA	AHG VLG VLG VLG RMG	MOB MOB MOB	ADZ12 AF106 AF106 AF106 BSW54	2N1100 2N2219A	0000
2N3328-36 2N3347-52 2N3353-64 2N3365-70 2N3375	FE PS TH FE NS	T060	L61	65 V	40v	4v	1500MA	200C	12WC	250№	1CP	10MN	250MA	FET DUA THY FET UMP	SEU MOB			0 0 0 0
2N3376-87 2N3390 2N3391 2N3391A 2N3392	NS NS	T 098 T 098 T 098 T 098	L21 L21 L21 L21	18v 25v 25v 25v	18V 25V 25V 25V	5 V 5 V 5 V 5 V	100MA 100MA 100MA	125C 125C	200MWF 200MWF 200MWF 200MWF	70M 70M	12P 12P 12P 12P	400MN 250MN 250MN 150MN	2MA 2MA	ALN ALN	G E U	PBC109 PBC109 PBC109 PBC109	2N6008 2N6008	00000
2N3393 2N3394 2N3395 2N3396 2N3397	NS NS	T098 T098 T098 T098 T098	L21 L21 L21 L21 L21	25V 25V 25V 25V 25V	25 v 25 v 25 v 25 v	5 V 5 V 5 V 5 V 5 V	100MA 100MA 100MA 100MA	125C 125C 125C	200MWF 200MWF 200MWF 200MWF 200MWF	70M 60M	10P 10P	90/400 55/300 150MN 90MN 55/800	2MA 2MA 2MA	ALG ALN ALG	GEU GEU GEU	PBC107 PBC107 PBC109 PBC107 PBC107	2N5309 2N6008 2N5309	0 0 0 0
2N3398 2N3402 2N3403 2N3404 2N3405		1098 1092h 1092H 1092H 1092H	L14	25V 25V 25V 50V 50V	25v 25v 25v 50v 50v	5 V 5 V 5 V 5 V	100MA 500MA 500MA 500MA 500MA	150C 150C 150C	200MWF 560MWF 560MWF 560MWF 560MWF	60M	10P	55MN 75/225 180MN 75/225 180MN	2MA 2MA 2MA	AMG AMG AMG	SEU SEU SEU	PBC107 BFY50 BFY50 BFY50 BFY50	2N 5309 2N 2297 2N 2297 2N 2297 2N 2297	0 0 0 0
2N3406 2N3414 2N3415 2N3416 2N3417	NS NS	1	L21 L21 L21 L21	25V 25V 50V 50V	25v 25v 50v 50v	5V 5V 5V	500MA 500MA 500MA 500MA	175C 175C	36 CM WF 36 CM WF 36 CM WF 36 CM WF			75/225 180MN 75/225 100MN	2MA 2MA	AMG AMG	GEU GEU	BC h36 BC h36 BC w36 BC w36	2N3704 2N3704 2N3704 2N3704	0000
2N3418 2N3419 2N3420 2N3421 2N3422	NS NS NS TH		L04	85V 125V 85V 125V	60v 60v 80v	8V V8 V8 V8	3A 3A	200C 200C 200C 200C	lWF lkF lWF	40 M	20P 20P 20P 20P	20/60 20/60 40/120 40/120	1 4	AHG AHG	91T	BSV64 BSV64 BSV64 BSV64	2N4877 2N4877 2N4877 2N4877 2N4877	0 0 0 0
2N3423-24 2N3425 2N3426 2N3427 2N3428	NS NS PG PG	105 105 105	L04 LC4 L04	50 V 45 V 45 V	30 v 30 v 30 v	30v	200MA 500MA	1000	600MWF 200MWF 200MWF	4 M	25P 20P 20P	30/120 75MN 125MN	3COMA 2MOOS AMOOS	VMS RMS	MOE SGI MOB	B SX 5 9 A S Y 2 7 A S Y 2 7	2N 3725 2N 1 305 2N 1 305	0000
2N3436-38 2N3439 2N3440 2N3441 2N3442	FE NS NS NS NS	T05 T05 T066 T03	L04 L43	450V 300V 160V 160V	350v 250v 140v 140v	7 v 7 v 7 v 7 v	1A 3A	200C 200C 200C 200C	1WF 1WF 25WC 117WC	15M 200K	10P 1CP	40/160 40/160 25/100 20/70	4 CM A 500 M A	AME AHH	RCU SES	BUY60 BUY60 BDY72 BDX11	2N3439 2N3439 2N3441 2N3442	00000
2N3444 2N3445 2N3446 2N3447 2N3448	NS NS	T05 T03 T03 T03 T03	LC5	V08 V001 V06 V06	50V 60V 80V 60V 80V		7 A 7 A 7 A	175C 200C 200C 200C 200C 200C	1 h F 115 W C 115 W C 115 h C 115 h C	10M	400P 400P 400P	20/60 20/60 20/60 40/120 40/120	3 A 5 A	RHG RHG RHG	M CB MOB MOB	B SX 59 BDY24 BDY24 BDY24 BDY24	2N3444 2N3448 2N3448 2N3448 2N3448	0 0 0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2N3451 2N3452-60 2N3465-66	PS FE FE	1018	LC1	6 V	6 V	4٧	200MA	20 CC	300MWF			30/120	10 MA	VLS FET FET		BSW25	2N3546	0 0
2N3467 2N3468	PS PS	105 105	L04	50V	50V	5 V 5 V	1 A 1 A	200C 200C	lw lw	ſ	25P 25P	40/120 25/75	500MA	AMG VMS	MOB MOB	BFS95	2N4036 2N3468	0
2N3479-84 2N3485 2N3485A 2N3486 2N3486A	UJ PS PS PS	T046 T046 T046 T046	L01 L01 L01 L01	60V 60V 60V	40 V 60 V 40 V 60 V	5 V 5 V 5 V 5 V	600MA 600MA 600MA 600MA	200C 200C 200C 200C	400MWF 400MWF 400MWF 400MWF	200M 200M 200M 200M	8P 8P 8P	40/120 40/120 100MN 100MN	150MA 150MA 150MA 150MA	UJT RMG RMG RMG RMG	M 08 M 08		2N2907A 2N2907A 2N2907A 2N2907A	0
2N3487 2N3488 2N3489 2N3490 2N3491	NS NS NS NS	T061 T061 T061 T061 T061	L46 L46 L46 L46 L46	800	60v 80v 100v 60v 80v	10v	7A 7A 7A 7A 7A	2000 2000 2000 2000 2000	117WC 117WC 117WC 11MWC 117WC	10M5 10M5 10M5 10M5 10M5	50P 50P 50P	20/60 20/60 15/45 40/120 40/120	3 A 3 A 3 A 5 A 5 A	RHG RHH RHH RHG RHH	MOB MOB	BDY63 BDY63 BDY63 BDY63 BDY63	2N1725 2N1725 2N1725 2N1725 2N1725	0 0 0
2N3492 2N3494 2N3495 2N3496 2N3497	AS PS PS PS	T061 T05 T05 T018 T018	L46 L04 L04 L01 L01	120V 80V 120V 80V 120V	100 v 8C v 120 v 80 v 120 v	10v 4v 4v 4v 4v	7A 100MA 100MA 100MA 100MA		117WC 600MWF 600MWF 40CMWF 40CMWF	10M5 200M 150M 200M 150M	50P 7P 6P 7P 6P	30,/90 40MN 40MN 40MN 40MN	5A 50MA 50MA 50MA 10MA	RHH ALH ALH ALH ALH	MCB MOB MOB MOB MOB	BDY63 BSV68 BSV68	2N1725 2N4928 2N4928 2N4928 2N3497 2N3497	0 0 0
2N3498 2N3499 2N3500 2N3501 2N3502	NS N	T05 T05 T05 T05 TC5	LC4 LC4 LC4 LC4	100V 150V	100 v 100 v 150 v 150 v 45 v	6V 6V 6V 5V	500MA 500MA 300MA 300MA 600MA	200C 200C 200C 200C 180C	1WF 1WF 1WF 1WF 700MWF		10P 10P 8P 8P 8P	40/120 100MN 40/120 100MN 115MN	150MA 150MA 150MA 150MA 50MA	AMH AMH AME AME RMG	MOB	85W66 BSW66 BSW67 BSW67 BSW64	2N1893 2N1893 2N5682 2N5682 2N2219A	0 0 0
2N3503 2N3504 2N3505 2N3506 2N3507	PS PS PS NS	T05 T018 T018 T039 T039	LC4 LC1 LC1 LO4 LC4	60V 45V 60V 60V 80V	60V 45V 60V 40V 50V	5V 5V 5V 5V	600MA 600MA 600MA 3A	180C 180C 180C 200C 200C	700MWF 400MWF 400MWF 1WF		8 P 8 P 8 P 40 P 40 P	115MN 115MN 115MN 30/150 40/200	50 MA 50 MA 50 MA 1500 MA 1500 MA	RMG RMG RMG VMS VMS		85W54 85W24 85W24 85X59 85X59	2N2219A 2N2907A 2N2907A 2N3725 2N3725	0
2N3508 2N3509 2N3510 2N3511 2N3525	NS NS NS NS	T046 T046 T018 T018	L01 L01 L01	40V 40V 40V 40V	20V 20V 10V 15V	6V 6V 6V	500MA 500MA 500MA 500MA	200C 200C 200C 200C	40 CMWF 400MWF 36 CMWF 36 0MWF	500 M 500 M 350 M 450 M	4 P 4 P 4 P 4 P	40/120 100MN 25/150 30/120	10MA 10MA 15CMA 15CMA	UMS UMS VLS VLS THY	MCB	BS X20 BS X20 BS X20 BS X20	2N2369 2N2369 2N2369 2N2369	0 0 0 0
2N3526 2N3528-41	NS TH	105	LC4	130V	120 V	5∨	200MA	175C	80CM#F	40 M	128	30 MN	3CMA	ANH THY	192	88W66	2N1893	0
2N3544 2N3545 2N3546	NS PS PS	T018 T018 T018	LC1 LC1 LC1	25V 20V 15V	20V 12V	3 V 5 V 4 V	10CMA 200MA 200MA	175C 200C 200C	400MWF 360MWF 360MWF	600M 250M 700M	2P5 8P 6P	25MN 40/120 30MN	1 CM A 10 M A 10 M A	ULP RLS ULS	MOB NAT MOB	BSW24 BSW25	2N2907A 2N3546	0 0
2N 3547 2N 3548 2N 3549 2N 3550 2N 3553	PS PS PS PS NS	T018 T018 T018 T018 T018	LC1 LC1 LC1 LC1 LC4	60V 60V 60V 65V	60 v 45 v 60 v 45 v 45 v	6V 6V 6V 1CV	100MA 100MA 100MA 100MA	175C	40CMWF 400MWF 400MWF 400MWF 7hC	45M 60M 60M 60M 250M	8P 8P 8P 10P	100MN 100MN 100MN 200MN 10MN	1 CUA	ALN	NAT NAT NAT	BC177 BC179 BC179 BC179	2N3965 2N3965 2N3965 2N3965	0000
2N3555-62 2N3563 2N3564 2N3565 2N3566	NS NS NS	T0106 T0106 T0106 T0105	L17 L17	30 V 30 V 30 V 40 V	12v 15v 25v 30v	2 V 4 V 6 V 5 V	50MA AM001 AM06 200MA	1250	200MWF 200MWF 200MWF 30CMWF	600M 400M 40M 40M	3P 5 4 P	30/200 20/500 70MN 150MN	15MA 100UA	AL N	FCU SGI	8FX73 8FX73 8C209 8C107	2N918 2N918 2N4967 A157	0 0 0
2N3567 2N3568 2N3569 2N3570 2N3571	NS	TC105 T0105 T0105 T072 T072	L04	80V 80V 80V 30V 25V	40v 60v 40v 15v 15v	5 V 5 V 5 V 3 V 3 V			300MWF 300MWF 300MWF 200MWF 200MWF	60M 1500M0	20P 20P P75	40/120 40/120 100MN 20/150 20/200	150 MA 5 MA	AMG	SGI SGI SEU	8FY50 8FY50 8FY50	2N2297 2N2297 2N2297	0 0 0 0
2N3572 2N3573-75		1072	LC6	25V	130	3 V	Ì	2000	}	1		20/300	1	ULA FE T		_		0
2N3576 2N3578 2N3605	PS FE NS	T018	LC1	20V	15V	5V 5 V	200MA 200MA		36CMWF		4P5	40/120 30MN	1CMA	FET		BSW25 BSX2C	2N3546 2N2369	0
2N3606 2N3607	NS NS	1098 1098	L21	18 v 18 v	14V 14V	5V 5V	200MA 200MA	l .	200MWF 200MWF	300 M	6 P 6 P	30 MN 30 MN	10 MA			BS X20 BS X20	2N2369 2N2369	0
2N36C8-10 2N3611 2N3612	FE PG	T03	L 05	40V 60V	25 V		15A	110C 110C	77WC	300K		35/70 35/70	1	FET AHG	мов	ASZ16 ASZ16	2N1536 2N1536	0
2N3613 2N3614 2N3615 2N3616 2N3617	PG PG PG	103 103 103 103	L05 L05 L05 L05	I	35 V 50 V 75 V	40V	15A 15A	110C 110C 110C 110C 110C	77WC 77WC 77WC 77WC 77WC	300K 300K 300K		60/120 60/120 30/60 30/60 45/90	3A 3A 3A 3A 3A	АНН <b>А</b> НН	MOB MOB	ASZ16 ASZ16 ASZ15 ASZ15 ASZ15	2N1536 2N1536 2N1533 2N1533 2N1533	0
2N3618 2N3631	PG FE			10 C V	75V			1100	1	300K		45/90	34	AHH FET	MOB	ASZ 15	2N1533	0
2N3632 2N3634 2N3635	NS PS	T060 T05 T05		140V	40 v 140 v 140 v	4 V 5 V 5 V		200C 200C 200C	2 3WC 1 A 1 A	150M	1 OP		250MA 50MA 50MA	UMP AME	M GB M OB M OB		2N3637 2N3637	0
2N 3636 2N 3637 2N 3638 2N 3638A 2N 3639	PS PS PS	T0105	L04 L04 L04	175V 25V 25V	175V 175V 25V 25V 6V		1A 1A 500MA 500MA	200C	1A 1A 300MWF 300MWF 200MWF	200M 100M 150M	10P 20P 10P	100MN 30MN	LOMA	AME AMG RMG	80M 102	BFS 95 BFX 29 BSW 25	2N3637 2N3637 2N4036 2N2905A 2N3546	0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2N3640 2N3641 2N3642 2N3643 2N3644	PS NS NS NS	T0105 T0105 T0105 T0105 T0105	L04 L04 L04	12V 60V 60V 60V 45V	12V 30V 45V 30V 45V	4V 5V 5V 5V	500MA	125C 125C 125C	200MWF 350MWF 350MWF 350MWF 300MWF	500M 250M 150M 250M 200M	3P5 8P 8P 8P 8P	30/120 40/120 40/120 100MN 115MN	150MA 150MA	VLS RMG AMG RMG RMG	SG I FCU SG I	BSW25 BSW54 BFY50 BSW54 BFX29	2N3546 2N2219A 2N2297 2N2219A 2N2905A	00000
2N3645 2N3646 2N3647 2N3648 2N3649-58	PS NS NS NS TH	T0105 T0106 T046 T046		60V 40V 40V 40V	60V 15V 10V 15V	5V 5 V 6 V	500MA 200MA 500MA 500MA	125C 200C	300MWF 200MWF 400MWF 400MWF	200M 350M 350M 450M	8 P 5 P 4 P 4 P	115MN 30/120 25/150 30/120	50MA 30MA 150MA 150MA	RLS VLS	SG I MOB MOB	BFX29 BSX20 BSX20 BSX20	2N2905A 2N2369 2N2369 2N2369	0 0
2N3662 2N3663 2N3664 2N3665 2N3666	NS NS NS NS	T098 T039 T039	L21 L21 L04 L04 L04	18V 30V 60V 120V 120V	12V 12V 60V 80V 80V	3V 3V 10V 10V	14	125C 125C 200C 200C 200C	200MWF 200MWF 800MWF 800MWF 800MWF	700M 700M 300M 60M 60M	1P7	20MN 20MN 8/80 40/120 100MN	8MA 8MA 50MA 150MA 150MA	VLA VLA VMS AMH AMH	GEU MOB SGI	BFX73 BFX73 BSX59 BSW66 BSW66	2N918 2N918 2N3725 2N1893 2N1893	0000
2N3668-70 2N3671 2N3672 2N3673 2N3678	TH PS PS PS NS	T018 T046	L04 L01 L01 L04	60V 60V 60V 75V	50 V 50 V 50 V 55 V	5 V 5 V 5 V 6 V	600MA 600MA 600MA 800MA	180C 200C	600MWF 400MWF 350MWF 800MWF	200M 200M 200M 250M	9P 9P 9P 8P	75/225 75/225 75/225 40/120	1	THY RMG RMG RMG RMG	FCU	BFX29 BSW24 BSW24 BSW54	2N2905A 2N2907A 2N2907A 2N2219A	0
2N3679 2N3680 2N3684-87 2N3691 2N3692	UJ NS FE NS			35 V 35 V	20V 20V	4V 4V	30MA 30MA		200MWF 200MWF		3P5 3P5	40/160 100MN	1 CMA 1 OMA		NAT	BC237 BC237	2N5825 2N5825	0 0 0
2N3693 2N3694 2N3695-98	NS NS FE			45 V 45 V	45V 45V	4V 4V	30MA 30MA		200MWF 200MWF		6P 6P	40/160 100MN	10MA 10MA			BSW64 BSW64	2N2222A 2N2222A	1
2N3700 2N3701	NS NS	T018	L01	140V 140V	80 V	7V 7V	1 A 1 A	ı	500MWF 500MWF		12P 12P	100MN 40/120	150MA 150MA	I .	FCU FCU		2N3700 2N3700	0
2N3702 2N3703 2N3704 2N3705 2N3706	PS PS NS NS	T092 T092 T092	L21 L21 L21 L21 L21	40V 50V 50V 50V 40V	25V 30V 30V 30V 20V	5 V 5 V 5 V 5 V	200MA 200MA 800MA 800MA 800MA	150C 150C 150C	360MWF 360MWF 360MWF 625MWF 625MWF	100M 100M 100M	12P 12P 12P	60MN 30MN 300MN 150MN 600MN	50 MA 50 MA 50 MA 50 MA 50 MA	ALG AMG	817 817 817	TIS90	2N5086 2N5086 2N3704 2N3704 2N3704	0 0 0
2N3707 2N3708 2N3709 2N3710 2N3711	NS NS NS NS	T092 T092 T092	L21 L21 L21 L21 L21	30V 30V 30V 30V 30V	30V 30V 30V 30V	6V 6V 6V 6V	30MA		360MWF 360MWF 360MWF 360MWF 360MWF	100M 100M	10P 10P 10P	100MN 45/660 45MN 90MN 180MN	1 COUA 1 MA 1 MA 1 MA 1 MA	ALN ALG ALN	TIB	BC 182L BC 184L	2N5210 2N5210 2N5209 2N5210 2N5210	0 0 0 0
2N3712 2N3713 2N3714 2N3715 2N3716	NS NS NS NS	T03 T03 T03		80 V	150V 60V 60V 80V 80V	7 V 7 V	10A 10A	200C 200C 200C 200C 200C	1WF 150WC 150WC 150WC	4M 4M 4M		30/150 25/90 25/90 50/150 50/150	1 A	RHG	M OB M OB M OB	BF337 BDY23 BDY23 BDY23 BDY23	2N4927 2N3445 2N3445 2N3445 2N3445	0 0
2N3719 2N3720 2N3721 2N3722 2N3723	PS PS NS NS	T05 T098 T05	L04 L04 L21 L04 L04	40V 60V 18V 80V 100V	40 V 60 V 18 V 60 V 80 V	4 V 5 V 6 V	3A 3A 100MA 500MA 500MA	200C	1 WF 1 WF 200 MWF 800 MWF 800 MWF	60M 300M		25/180 60/660 40/150	2MA 100MA	AHG ALG RMS	M OB GEU SGI	BSS44 BSS44 BC182L BSW54 BSW54	2N3720 2N3720 2N3710 2N22194 2N22194	
2N3724 2N3724A 2N3725 2N3725A 2N3726	NS NS NS PS	T05 T05	L04 L04 L04 L04	50 V 50 V 80 V 80 V	30V 30V 50V 50V	6 V 6 V	500MA 1200MA 500MA 1200MA	200C 175C	800MWF 1 WF 800MWF 1 WF	300M	12 P 12 P	60/150 60/150	100MA 100MA 100MA 100MA	VLS VMS VLS		BSX59 BSX59 BSX59	2N 3444 2N 3725 2N 3444 2N 3 725	0 0 0 0
2N3727 2N3733 2N3734 2N3735 2N3736	PS NS NS NS	T060	L61 L04 L04 L01	65V 50V 75 V 50 V	40 v 30 v 50 v 30 v	5V 5 V	3A 1500MA 1500MA 1500MA	200 C	23WC 1WF 1WF 500MWF	250M	9 P 9 P	30/120 20/80	1 A	DUA UHP RLS VMS VMS	MOB SGI MOB	B S W 5 4	2N2219A 2N3735 2N3725	0 0 0 0
2N3737 2N3738 2N3739 2N3740 2N3740A	NS NS NS PS	T066 T066		75 V 25 O V 3 25 V 6 O V 6 O V	50 v 225 v 300 v 60 v 60 v	6V 6V 7V	10A		500 MWF 20 WC 20 WC 25 WC 25 WC	10M 10M 4M	20 P	40/200 40/200 30/100	1A 100MA 100MA 250MA 250MA	RHH RHE RHG	MOB MOB	BDX14	2N3725 2N3739 2N3739 2N3740 2N3740	0 0 0 0
2N3741 2N3741A 2N3742 2N3743 2N3753-61	PS PS NS PS	T066 T05 T039	L43 L43 L04 L04		80V 80V 300V 300V	7V 7V	10A 50MA	200C 200C 200C 200C	25WC 25WC 1WF	4 M 30 M	100P 100P 6P 15P	30/100 20/200	250MA 250MA 30MA 30MA	RHH	MOB MOB MOB	BDX16 BDX16 BF337	2N3741 2N3741 2N4927 2N3743	0 0 0 0
2N3762 2N3763 2N3764 2N3765 2N3766	PS PS PS NS	T05 T046 T046	L04 L04 L01 L01 L43	40V 60V 40V 60V 80V	40V 60V 40V 60V	5 V 5 V 5 V	1500MA 1500MA 1500MA 1500MA 4A	200C 200C 200C		150 M	15P 15P	20/80 30/120 20/80	1 1 A		MOB MOB MOB		2N3763 2N3763 2N3765 2N3765 2N3765 2N5050	0 0 0 0
2N3767 2N3771 2N3772 2N3773 2N3783	NS NS NS	T03	L43 L05 L05 L05 L06	100V 160V	80 V 40 V 60 V 140 V 20 V	5 V 7 V	30A 30A 30A	175C 200C 200C 200C 100C	20W0 150W0 150W0 150W0 150MWF	200K 200K 200K		40/160 15/60 15/60 15/60 20/200	10A 10A 8A	AHH AHH	M OB M OB M OB	BDX40 BDX50	2N5050 2N3772 2N3772 2N3773 2N3783	0 0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	F C T MIN	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2N3784 2N3785 2N3789 2N3790 2N3791	PG PG PS PS	1072 1072 103 103 103	L06 L06 L05 L05 L05	30V 15V 60V 80V 60V	20V 12V 60V 80V	0V5 0V5 7V 7V 7V		100C 100C 200C 200C 200C	150MWF 150MWF 150WC 150WC 150WC	700 M 700 M 4M 4M 4M	1 P 1P2	20/200 15/200 25/90 25/90 50/150	3MA 3MA 1A 1A	ULA ULA RHG RHH RHG	MOB MOB MOB	AF239S AF239S BOX18 BOX18 BOX18	2N3783 2N3783 2N3792 2N3792 2N3792	0 0 0 0
2N3792 2N3796-97 2N3798 2N3798A 2N3799	PS FE PS PS	T03 T018 T018 T018	L05 L01 L01 L01	8CV 60V 60V 90V	80V 60V 60V 90V	7V 5 V 5 V 5 V	50MA 50MA	200C 200C 200C 200C	150WC 360MWF 360MWF 360MWF	4M 100M 100M 100M	4P 4P 4P	50/150 100MN 100MN 225MN	1 CU A 1 CU A 1 OU A	ALN	M OB	BC179	2N3792 2N3965 2N3965 2N3965	0 0 0 0
2N3799A 2N38CO-17 2N3818 2N3819-24 2N3825	PS PS NS FE NS	T018 T060	LC1 L61 L21	90V 60V 30V	90v 40v 15v	5 V 4 V 4 V	50MA 2A 100MA	200C 175C	360MWF 25WC 250MWF	100M 150M 200M	4P 40P 3P5	225MN 5/50 20MN	10CUA 400MA 2MA	DUA VHP FET	MOU MCB TIB	BC179	2N3965 2N918	0 0 0 0
2N3827 2N3829 2N3830 2N3838 2N3838	NS PS NS S	T092 T018 T05	L21 L01 L04	60V 35V 80V	45V 20V 50V 200V		30MA 200MA 120GMA 20A	125C 200C 200C	360MWF 360MWF 1WF	200M 350M 400S	<b>4</b> P	100MN 30/120 30MN	1 CMA 30MA 500MA	RMS	TIB MOB		2N371C 2N4CO1	0 0 0 0
2N3847 2N3860 2N3866 2N3866A 2N3870-73	NS NS NS TH	T063 T098 T039 T050	L60 L21 L04 L04	400V 30V 55V 55V	300v 30v 30v 30v	4V 3V5 3V5	20A 100MA 400MA 400MA	200C 125C 200C 200C	150WC 200MWF 5WC 5WC	10M 90M 500M 800M	4P 3P 3P	10/60 150MN 10/200 25/200	10A 2MA 50MA 50MA	RHE ALN UMP UMP THY		BC184L	2N3707	0 0 0 0
2N3882 2N3883 2N3884-99 2N39C0 2N39C1	FE PG TH NS	T05 T098 T098	L04 L21 L21	25V 18V 18V	15V 18V 18V	3V 5V 5V	300MA 100MA 100MA	125C	300MWF 200MWF 200MWF	1001	8P 12P 12P	30MN 170MN 350MN	200MA 2MA 2MA	THY	GEU	BC184L BC184L	2N2 382 2N 3 7 0 7 2N 3 7 0 7	0 0 0 0
2N3902 2N3903 2N3904 2N3905 2N3906	NS NS NS PS	T03 T092 T092 T092 T092	L05 L14 L14 L14 L14	700V 60V 60V 40V 40V	325V 40V 40V 40V 40V	5V : 6V 6V 5V	3500MA 200MA 200MA 200MA 200MA	135C 135C 135C	10CWC. 310MWF 31CMWF 310MWF 310MWF	250 M 250 M 200 M	150P 4P 4P 5P 5P	30/90 50/150 100MN 50/150 100MN	1A 10MA 10MA 10MA 10MA	AL N AMG	MOR MOB NAT	BU105 BC338 BC349B BC388 BC388	2N5157 2N5818 2N3904 2N4403 2N4403	0 0 0 0
2N3909 2N3921-22 2N3923 2N3924 2N3925	FE FE NS NS	T05 T039 T01C2	LC4 LC4 LC4	150V 36V 36V	150V 18V 18V	6 V 4 V 4 V	100MA 500MA 1A	ı	800MWF 7WC 10WC		4P 20P 20P	30/120	25™∆	FET FET ALE VMP VMP		BF337	2N4927	0000
2N 3926 2N 3927 2N 3930 2N 3931 2N 3934-35	PS PS	T060 T060 T018 T039		36 V 36 V 180 V 180 V	18V 18V 180V 180V	4V 4V 6V 6V	1500MA 3A 100MA 100MA	2000 2000 2000	11WC 23WC 400MWF 700MWF	175 M 175 M 40 M 40 M		80/300 80/300	10MA 10MA		SGI		2N4357 2N4358	0000
2N3936-40 2N3945 2N3946 2N3947 2N3948	NS NS	T039 T018 T018 T039	L04 L01 L01 L04	70 V 60 V 60 V 36 V	50 V 40 V 40 V 20 V	8 V 6 V 6 V 3 V 5	1A 200MA 200MA 400MA	175C	800MhF 360MhF 360MWF 1hF	60M 250M 300M 700M	4 P	4C/250 45MN 100MN 15MN	150MA 1MA 10MA 5CMA	ALG ALG	M GB M GB	BFY50 BC107 BC107	2N2297 A157 A157	0 0 0 0
2N 3950 2N 3954-58 2N 3959 2N 3960 2N 3961	NS NS	T060 T018 T018 X26	L61 L01 L01 L59	65V 20V 20V 65V	35v 12v 12v 40v	4 V 4 V 4 V 4 V	50MA	2000	40CMWF	 1300™	295	40/200 40/200 10MN	10 MA 10 MA 25 CMA	FET SLS SLS	MOU		2N 3960 2N 3960	0 0 0 0
2N3962 2N3963 2N3964 2N3965 2N3966-72	Þς	T018 T018	L01 L01 L01	60V 80V 45V 60V	60V 80V 45V 60V	6 V 6 V 6 V	200MA 200MA 200MA 200MA	175C 200C	360MWF 360MWF 360MWF 360MWF	40M 40M 50M 50M	6P 6P 6P	60MN 60MN 250MN 250MN			SG I FCU	BC179 BC179 BCY71 BCY70	2N3965 2N3965 2N3965 2N3965	0 0 0 0
2N398C 2N3983 2N3984 2N3985 2N3986-92	NS	1092	L 21 L 21 L 21	30V 30V 30V	12V 12V 12V	3 V 3 V 3 V		125C 125C 125C	200MWF 20CMWF 200MWF	300M		30MN 20MN 20MN	4MA 4MA 4MA	VL A	116			0 0 0 0
2N3993-94 2N4000 2N40C1 2N4002 2N4003	NS	T05	L C 4 L 60	100V 12CV 100V 12OV	80V 100V 80V 100V	8 V	1	200C	15WC 1WF 100WC 100WC	40M 40M 30M 30M	60P	30/120 40/120 20/80 20/80		RMH AMH RHH	TIB	B S W 6 6	2N4001	0000
2N4012 2N4013 2N4014 2N4015 2N4016	NS NS NS PS	1018	L61 L01 LC1	65 V 50 V 80 V	40V 30V 50V	6٧	   500MA   500MA   500MA		11hC 360MWF 360MWF		12P		1 A 1 COMA 1 COMA		SGI SGI MOB	BSW64 BSW64	2N 222 2 / 2N 2 22 2 /	
2N4020-25 2N4026 2N4027 2N4028 2N4029	PS PS	T018	L01 L01 L01	80V 60V	60 V 80 V 60 V	5 V 5 V	1 A	180C 180C 180C 180C		100M 150M	20P		100 MA	AMH	SG1 SG1 SG1	BSW24 BSW24 BSW24 BSW24	2N2907/ 2N2907/ 2N2907/ 2N2907/	A 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	I C MAX	T J MAX	P TOT	F C T OB MIN MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2N4030 2N4031 2N4032 2N4033 2N4034	PS PS PS PS	T05 T05 T05 T05 T018	L04 L04 L04 L04 L01	60V 80V 60V 80V 40V	60V 80V 60V 80V 40V	5V 5V 5V 5V	1 A 1 A 1 A 1 A 1 O O M A	180C 175C 175C	800MWF 800MWF 800MWF 800MWF 360MWF	100M 2CP 100M 2OP 150M 2OP 150M 2OP 400M 4P		100 MA 100 MA 100 MA 100 MA	AMG AMG	SG I SG I SG I SG I	BFS95 BFS95 BFS95	2N4036 2N4036 2N4036 2N4929 2N2907	0 0 0 0
2N4035 2N4036 2N4037 2N4038-39 2N4046	PS PS PS FE NS	T018 T05 T05	L01 LC4 L04	40V 90V 60V	40V 65V 40V 30V	5V 7V 7V 6V	200MA 1A 1A 500MA	200C 200C	360MWF 1WF 1WF	450M 4P 60M 25P 60M 25P 250M 12P	1	10 MA 15 CMA 15 OMA	RLG AMH AMG FET RMS	SGI MUB RCU SGI	BFR23 BFR23	2N2907A 2N4036 2N4036 2N4036	0 0
2N4047 2N4048 2N4049 2N4050 2N4051	NS PG PG PG	T05 T036 T036 T036 T036	L04 L13 L13 L13 L13	80V 45V 60V 75V 45V	50 V 30 V 45 V 60 V 30 V	6V 25 V 3 C V 4 O V 25 V		175C 110C 110C 110C 110C	800MhF 170WC 170WC 170WC 170WC	250 N 10 P 120 K 120 K 120 K 240 K	40/150 60/180 60/180 60/180 120MN	100MA 15A 15A 15A	RMS AHG AHG AHG AHG	SGI MOB MOB MOB MOB	BSW54	2N 2 2 1 9 A	0 0 0 0
2N4C52 2N4C53 2N4O58 2N4O59 2N4O60	PG PG PS PS	T036 T036 T092 T092 T092	L13 L13 L21 L21 L21 L21	60V 75V 30V 30V 30V	45V 60V 30V 30V 30V	30 V 40 V 6 V 6 V	50A 50A 30MA 30MA	150C	170WC 170WC 360MWF 360MWF 360MWF	240K 240K	120MN 120MN 100MN 45/660 45MN	15A 15A 100UA 1MA	AHG AHG ALN ALG ALG	MOB MOB TIB TIB	BC212L	2N4058 2N4061 2N4061	0 0 0 0
2N4061 2N4062 2N4065 2N4066-67 2N4072	PS PS FE FE NS	T092 T092	L21 L21 L01	30 V 30 V	30 v 30 v 20 v	6 V 6 V	30 MA 30 MA 100 MA	150C	360MWF 360MWF 350MWF	275N 4P	90/330 180MN	1 MA 1 MA 25 MA	ALG ALN FET DUA VMP	TIB TIB MCB MCB	BC 212L BC 214L	2N4061 2N4058	0 0 0
2N4073 2N4077 2N4082-85 2N4088-89 2N4C90		T05 X03	L04 L05	40V 32V	20V 20V	4 V 1 O V	150MA 1A		   1500MWC   8WH	275M 4P 1 M 150P	10MN 50MN	25 MA 500 MA	VMP ALG FET FET FET	МОВ ДМР	AD161	2N4077	0 0 0
2N4091-93 2N4094-95 2N4096-98 2N4101-03 2N4104	F E T F	1018	LOI	60 V	6 C V	100	50MA		300MWF	90M 4P5	400MN	1004	FET FFT THY THY ALN	MCB RCU TIB			0 0 0 0
2N4108-05 2N4110 2N4117-15 2N4120 2N4121	TH	10106	L17	40V	40V	5∨	100MA	125C	200 NWF	450M 5P	70/200	10MA	THY THY FET FET RLG	NAT	BC 30 9	2N6003	0 0 0 0
2N4122 2N4123 2N4124 2N4125 2N4126	NS PS	T0106 T092 T092 T092 T092	L 17 L 14 L 14 L 14 L 14	40V 40V 30V 30V 25V	40V 30V 25V 30V 25V	5V 5V 5V 4V	100 MA 200 MA 200 MA 200 MA 200 MA	135C 135C 135C	200MWF 31 CMWF 310MWF 310MWF 310MWF		50/150 120MN 50/150		ALG ALG ALG		BC350A BC350A BC350A	2N 39 05 2N 39 05	0 0 0 0
2N4130 2N4132 2N4137 2N4139 2N4140	NS NS NS FE NS	T03 T037 T018	L05 L47 L01	80V 90V 40V	65 V 80 V 20 V	4 V 5 V 4 V	10A 600MA 200MA	175C 200C	120 HC 7 WC 360 MWF	l .	10/80	2A 200MA 10MA	VHG VLS FET	MCE KER FCU NAT		2N2369 2N5818	0 0 0 0
2N4141 2N4142 2N4143 2N4145-49 2N4151-98		T0106 T0106 T0106	LC1	60V 60V 60V	30 VI 40 V 40 V	5 V 5 V 5 V	500MA 500MA 500MA	125C	300MWF 300MWF 300MWF	200M 8P		150MA 150MA 150MA	AMG	NAT NAT NAT	BC 32 8	2N5818 2N5819 2N5819	0 0 0
2N4199 2N4209-04 2N4207 2N4208 2N4209	PS PS	T018 T018	LC1 LC1	6V 12V 15V	6V 12V 15V	4 V 4 V 4 V	50MA 50MA 50MA		300MWF 300MWF 300MWF		50/120 30/120 50/120	10 M A 1 C M A 1 C M A	ULS		85 W 25 85 W 25 85 W 25	2N3546 2N3546 2N3546	0 0 0 0
2N4212-16 2N4217-19 2N4220-22 2N4223-24 2N4227	TH FE	70106	L17	60V	30 V	5 V	200MA	125C	300MW.F	250M 8P	75/150	150MA	THY THY FFT FET AMG	MOB MOB MOB NAT	BC 338	2N5818	0 0 0 0
2N4228 2N4231 2N4231A 2N4232 2N4232A		T0106 T066 T066 T066 T066	L17 L43 L43 L43 L43	60V 50V 40V 70V 60V	40V 40V 40V 60V 40V	5 V 5 V 5 V 5 V		200C	300MWF 35WC 75WC 35WC 75WC	4M200P 4M300P 4M200P	75/150 25/100 25/100 25/100 25/100	1500MA 150CMA	RHG AHG RHH	NAT MOB MOB MOB	B DY 78 BUY38	2N5819 2N5050 2N3054 2N5050 2N3054	0 0 0 0
2N4233 2N4233A 2N4234 2N4235 2N4236	PS PS	1066 105	L43 L43 L04 L04 L04	9 CV 8 C V 4 O V 6 O V 8 C V	80V 80V 40V 60V 80V	5 V 5 V 7 V 7 V 7 V	3A 3A		35WC 75WC 1WF 1WF	4 M 3 0 0 P 3 M 1 0 0 P 3 M 1 0 0 P	25/100 25/100 30/150 30/150 30/150		AHG RHG RHH		BDY72 BSS44 BSS44	2N5050 2N3441 2N3720 2N3720 2N3720 2N3720	0 0 0 0
2N4237 2N4238 2N4239 2N4248 2N4249	NS NS PS	T05 T05 T05 T0106 T0106		50V 80V 100V 40V 60V	40V 60V 80V 40V 60V	6V 6V 6V 5V	1A 1A 1A 100MA	20 0C 1 2 5C	5WC 5WC 5WC 200MWF 200MWF	80M 80M 80M 40M 6P 100M 6P		1 A 1 0 0 U A	AMG AMH ALN	SG I SG I	BFY50 BFY50 BSW66 BC206 BC204	2N2297 2N2297 2N1893 2N4250 2N4248	0 0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		OB WAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2N4250 2N4250A 2N4252 2N4253 2N4257	PS PS NS NS	10106 10106 1072 1072 10106	L 17 L 06 L 06	4CV 60V 30V 30V 6V	40V 60V 18V 18V 6V	5V 5V 4V 4V	100MA 100MA 50MA 50MA 50MA	125C 125C	200MWF 200MWF 200MWF 200MWF 200MWF	100 M 100 M 600 M 600 M 500 M	6P 6P 3P	250 MN 250 MN 50 MN 30/150 30/120	1 MA 1 MA 2 MA 2 MA 10 MA	ALN ULA ULA VLS	FCU FCU TIB TIB NAT	8C206 BC206	2N4250 2N4250 2N3546	00000
2N4257A 2N4258 2N4258A 2N4260 2N4261	PS PS PS PS	10106 10106 10106 1072 1072	L 17	6V 12V 12V 15V 15V	6V 12V 12V 15V 15V	4V 4V 4V 4V5 4V5	50MA 50MA 50MA 30MA	125C 125C 125C 200C 200C	200MWF 200MWF 200MWF 200MWF 200MWF	1600M	3P 3P 3P 2P5 2P5	30/120 30/120 30/120 30/150 30/150	1 CMA 1 OMA 1 CMA 1 OMA 1 OMA	VLS VLS SLS SLS	NAT NAT NAT MOU MOU	BSW25 BSW25 BSW25	2N3546 2N3546 2N3546 2N4261 2N4261	0 0 0 0
2N4264 2N4265 2N4266 2N4267-68 2N4274	NS NS FE NS	1092 1092 1092	L14 L14 L14	30 V 30 V 30 V	15V 12V 12V	6V 6V 6V	200MA 200MA 200MA	135C 135C 135C	31 0 MWF 31 0 MWF 310 MWF	300M 300M 300M	4P 4P 4P	40/160 100MN 40/400 35/120	1 0 M A 1 0 M A 1 0 M A	VLS VLS VLS FET VLS	MOU MOU FC U	BSX20 BSX20 BSX20	2N2 369 2N 2 36 9 2N 2 36 9 2N 2 36 9	0 0 0 0
2N4275 2N4276 2N4277 2N4278 2N4279	NS PG PG PG	T0106 T03 T03 T03		40V 30V 30V 45V	15V 20V 20V 35V 30V	4 V 20 V 20 V 25 V 25 V	100MA 60A 60A 60A 60A	125C 110C 110C 110C 110C	280 MWF 170WC 170HC 170WC 170WC	400M 120K 240K 120K 240K	4P	30/120 60/180 120MN 60/180 120MN	1 CMA 15A 15A 15A 15A	VLS AHG AHG AHG AHG	FCU MOB MOB MOB MOB	BSX20	2N2369 2N4283 2N4283 2N4283 2N4283	0 0 0 0
2N4280 2N4281 2N4282 2N4283 2N4286	PG PG PG PG	T03 T03 T03 T03 X13	L05 L05 L05 L05 L30	60V 60V 75V 75V 30V	45V 45V 60V 60V 25V	30v 30v 40v 40v 6v	60A 60A 60A 60A 100MA	110C 110C 110C 110C 125C	170WC 170WC 170WC 170WC 250MWF	120K 240K 120K 240K 40M	6P	60/180 120MN 60/180 120MN 150MN	15A 15A 15A 15A 1MA	AHG AHG AHH AHH AL N	MOB MOB MOB MOB NAT	BC184L	2N4283 2N4283 2N4283 2N4283 2N4283 2N3707	0 0 0 0
2N4287 2N4288 2N4289 2N4290 2N4291	NS PS PS PS	X13 X13 X13 X13 X13	L30 L30 L30 L30 L30	45V 30V 60V 30V 40V	45 V 25 V 45 V 20 V 30 V	7 V 6 V 7 V 5 V 5 V	100MA 100MA 600MA 600MA	125C 150C 150C 150C 150C	250MWF 250MWF 250MWF 250MWF 250MWF	40M 40 M 40 M 100 M 100 M	6P 8P 8P 10P	150 MN 100MN 100 MN 50/300 100MN	1MA 100UA 100UA 100MA 100MA	ALN ALN ALN AMG AMG	NAT NAT NAT NAT	BC184L BC214L BC214L BCW37 BCW37		0 0 0
2N4292 2N4293 2N4294 2N4295 2N4300	NS NS NS NS	X13 X13 X13 X13 T05	L30 L30 L30 L30 L04	30V 30V 30V 40V 100V	15V 15V 12V 15V 80V	3V 3V 4V 5V	50MA 50MA 200Mh 200MA 2A	150C 150C 175C 175C	20 CMWF 20 CMWF 20 CMWF 20 CMWF 15WC	600 M 600 M 400 M 500 M 30 M	2P2 2P2 5P 4P	20MN 20MN 30/120 40/120 30/120	3MA 3MA 10MA 10MA	VLA VLS VLS RHH	NAT NAT NAT NAT TIB	BFX73 BFX73 BSX20 BSX20	2N918 2N918 2N2369 2N2369	0 0 0 0
2N4302-04 2N4313 2N4338-39 2N4340-41 2N4342	PS	то106	L 17	12V	120	4٧	100MA	<b>125</b> C	20CMWF	700 M	5 P	30 MN	1 OMA	FET VLS FET FET FET		B\$W25	2N 35 46	0 0 0 0
2N4343 2N4347 2N4348 2N4348 2N4351	FE NS NS NS FE	103	LC5	_	120V 120V 120V	7 V 7 V 7 V	1	200C 200C 200C	100WC 120WC 120WC	800K		20/70 15/60 15/60	2A 5A 5A	FET AHE AHH AHH FET	SEU MOB	1	2N3442 2N3773 2N3773	0 0 0 0
2N4352 2N4354 2N4355 2N4356 2N4357	PS PS	T0105 T0105 T0105 T018	L04	60 V 80 V	60 V 60 V 80 V 240 V	5 V 5 V 5 V 6 V	500MA 600MA 600MA 100MA	125C 125C	350MWF 350MWF 350MWF 400MWF	100M	30P	1	500MA 500MA 500MA 10MA	AMH AMH	MCB MCB	BFS93 BFS93	2N4037 2N4037 2N4037 2N4037 2N4357	0 0 0 0
2N4358 2N4359 2N436C 2N4361-68 2N4369-7C			L C4 L 01	240 v 45 V	240 v 45 v	6 V 5 V	100 MA 50 MA		700MWF 360MWF	40M 200M	7P 6P		10MA 10MA		SG I MOR	BSW24	2N4358 2N2907A	0 0 0 0
2N4371-7E 2N4379-80 2N4389 2N4390 2N4391-93	PS NS	1092 1018	L 14 L 0 1	12V 120V	12v 120v		100MA 500MA		20CMWF 375MWF	150 N 50 N	9 F 6 P	30/180 20MN	10MA 20MA	AMH	MOB FCU	BSW25	2N3546 2N4390	0 0 0 0
2N4398 2N4399 2N4400 2N4401 2N4402		T03 T092 T092	L05 L05 L14 L14 L14	40V 6CV 60V 60V 40V	40V 60V 40V 40V	5V 5V 6V 6V 5 V		135C	20 CWC 200WC 31 0MWF 31 0MWF 310MWF	4M 200M 250M	7 P 7 P 9 P	100MN	150MA 150MA	AHH AMG AMG	MOB MOB MCB	1	2N4401 2N4401 2N4403	0 0 0 0
2N4403 2N4404 2N4405 2N4406 2N4407	PS PS PS PS	T039 T039 T039	L 14 L 05 L 05 L 05 L 05	4CV 80V 80V 80V 80V	40V 80V 80V 80V 80V		1 A 2 A	200¢ 200¢ 200¢	31 CMWF 125 OMWF 125 CMWF 125 OMWF 125 OMWF	200M 200M 150M	10P 15P	40/120 100MN	150 MA 150 MA 150 MA 150 MA 150 MA	RMG RMG RHS	MO8 MO8 MO8	BFR23 BFR23	2N4403 2N4036 2N4036 2N3720	0 0 0 0
2N44C9 2N4410 2N4416 2N4417 2N4423	NS NS FE FE NS	1092		1 20 V	50V 80V		250MA 250MA 200MA	135C	31 CMWF 31 GMWF 25 CMWF	60₩	1 2 P	60/400 60/400 40/150		ALH FET FET	M OB	:	2N4410 2N4410 2N2369	0 0 0
2N4424 2N4425 2N4427 2N4428 2N4436	NS NS	1098 1098 1039 1039	L04	55 V	40V 40V 20V 35V 30V	5 V 2 V	500MA 500MA 400MA 425MA 500MA	150C 200C 200C	360MWF 560MWF 1WF 3500MWC	500M	3P5	180MN 180MN 10/200 20/200 40/120	2 MA 100 MA 50 MA	AMG VMP UMP	SEU MOB MOB		2N3 70 4	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		IB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ıss
2N4437 2N4441-44 2N4445-48	NS TH FE	T0106	L17	6CV	30V	5٧	500MA	1250	200MWF	250M	89	100MN	150MA	RMG THY FET	FCU MOB TIR	BSW64	2N2222A	0 0
2N4449 2N4450	NS NS	T018 T046	LC1 LO1	15 V 60 V	15V 30 V	4 V 5 V	200MA 500MA	175C 200C	300MWF 360MWF	500M 250M	4P 8P	20MN 100MN	10MA 150MA	ULS	SG I FCU	BSX20 BSW64	2N2369 2N2222A	0
2N4451 2N4452 2N4453 2N4851-53 2N4854-55	PS PS PS UJ S	T046 T046 T046	L01 LC1 L01	12V 45V 18V	12v 45v 18v	4V 5V 5V	100MA 600MA 200MA		300MWF 350MWF 300MWF	400M 200M 400M	6 P 8 P 6 P	40/150 115MN 40/120	30MA 50MA 10MA	RLS RMS RLS UJT DUA	FCU FCU FCU MOB MO8	BSW25 BSW24 BSW25	2N3 546 2N2 90 7A 2N 3546	0 0 0 0
2N4856-59 2N4860-61 2N4862 2N4867-69 2N4870-71	FE NS FE	1046	L01	140V	120 V	8 <b>v</b>	2A	2000	400MWF	50M		50/150	5COMA	FET FET AMH FET UJT	MOB SCT MOB	BFR25	2N4390	0 0 0 0 0
2N4877 2N4881-86	NS FE	T039	L04	70 V	60 v	5 V	44	20 C C	1WF	4 M		20/100	44	AHG FFT		BSV64	2N4877	0
2N4890 2N4891-94 2N4895	PS UJ NS	T039	L04	60V	40v 60v	5 V 6 V	500MA 54	200C	1WF 7hC	100M 50M	15P 80P	50/250 40MN	150MA 2A	RMG UJT AHG	MOB SGI		2N2905A 2N4877	0
2N4896 2N4897 2N4898 2N4899 2N4900	NS NS PS PS	TC39 TO39 TO66 TO66	L04 L03 L43 L43 L43	120V 150V 40V 60V 80V	60 V 80 V 40 V 60 V 80 V	6 V 6 V 5 V 5 V	5A 5A 4A 4A	200C 200C 200C 200C 200C	7 hC 7 wC 25 wC 25 hC 25 hC	80M 50M 3M1 3M1	00P 00P	100MN 40MN 20/100 20/100 20/100	2A 2A 500MA 500MA 500MA	AHG	SGI SGI MOB MOB MOB	BSV64 BSV64 BCX14 BCX14 BCX16	2N4877 2N4877 2N3740 2N3740 2N3741	0 0 0 0
2N4901 2N4902 2N4903 2N4904 2N4905	PS PS PS PS	103 103 103 103 103	L05 L05 L05 L05 L05	40 V 60 V 8 C V 4 C V 60 V	40V 60V 80V 40V 60V	5 V 5 V 5 V 5 V	5 A 5 A 5 A 5 A 5 A	200C 200C 200C 200C 200C	87WC 87WC 87WC 87WC 87WC	4M 4M 4M 4M 4M			1A 1A 1A 2500MA 2500MA	RHG RHH RHH RHG RHG	MOB MOB MOB MOB MOB		2N3792 2N3792 2N3792 2N3792 2N3792	0000
2N4906 2N4910 2N4911 2N4912 2N4913	PS NS NS NS	TC3 T066 T066 T066 T03	L05 L43 L43 L43 L05	80V 40V 60V 80V 40V	80V 40V 60V 80V 40V	5 V 5 V 5 V 5 V	5A 4A 4A 4A 5A	200C 200C 200C 200C 200C	8 7WC 25WC 25WC 25WC 8 7WC	4M 3M 3M 3M 4M		25/50 20/100 20/100 20/100 25/100	2500MA   500MA   500MA   500MA   2500MA	RHG RHG RHG	MOB MOB MOB MOB MOB	BD Y78 BD Y78 BD Y79 BD Y74	2N3792 2N5050 2N5050 2N5050 2N5050 2N3442	0 0 0
2N4914 2N4915 2N4916 2N4917 2N4918	NS NS PS PS PS	103 103 10106 10106 10126	L17	60V 80V 30V 30V 40V	60V 80V 30V 30V 40V	5 V 5 V 5 V 5 V	5A 5A 100MA 10CMA 3A	2 COC 200C 125C 125C 150C	87WC 87WC 200MWF 200MWF 30WC	4M 4N 400M 450M 3M1	5 P 5P 00P	25/100 25/100 70/200 150MN 20/100		RHH RLG	MOB MOB SGI SGI MOB	BCY74 BCY74 BSW24 BSW24 BD238	2N3442 2N3442 2N2907A 2N2907A 2N4920	
2N4919 2N4920 2N4921 2N4922 2N4923	NS NS	T0126 T0126 T0126 T0126 T0126	L31 L31 L31	60V 80V 40V 60V 80V	60V 8CV 40V 60V 80V	5 V 5 V 5 V 5 V	3A 3A	150C 150C 150C 150C 150C	30 W C 30 W C 30 W C 30 W C 30 W C		00P 00P 0CP	20/100 20/100 20/100 20/100 20/100	500MA 500MA 500MA 500MA	AHH AHG AHG	MOU MOU	BD238 BD237	2N4920 2N4920 2N4923 2N4923 2N4923	0 0 0 0
2N4924 2N4925 2N4926 2N4927 2N4928	NS NS NS NS PS	T039 T039 T039 T039 T039	L05 L04 L04	200V	250v	5 V 5 V 7 V 7 V 4 V		175C 175C 175C	INF IWF IW IW 600MWF	100M 100M 30M 30M 100M	10P 10P 6P 6P 6P	40/200 40/200 20/200 20/200 25/200	150MA 150MA 30MA 30MA 200MA	RMH ALE ALE	мое	BSW66 BSW66 BF337 BF337	2N1893 2N1893 2N4927 2N4927 2N4928	0 0 0 0
2N4929 2N4930 2N4931 2N4937-39 2N4940-42		T039 T039 T039	LC4	200V	150v 200v 250v	4 V 4 V 4 V	500MA 500MA 500MA		IWF IWF IWF	100M : 20M : 20M :	20P	25/200 20/200 20/200	10MA 10MA 20MA	AME AMH DUA	MOB MOB MOB MCB MOB		2N4931 2N4931 2N4931	0 0 0 0
2N4943 2N4944 2N4945 2N4946 2N4947	2N 2N 2N 2N UU	T05 T0106 T0106 T0106	L17	120 V 80 V 80 V 80 V	80V 40V 60V 40V	7 V 5 V 5 V 5 V	800MA 500MA 500MA 500MA	125C 125C	800MWF 600MWF 600MWF 600MWF	60M	25P 20P	100MN 40/120 40/120 100MN	150MA 150MA 150MA 150MA	AMG AMG	FCU FCU		2N1893 2N5818 2N5818 2N5818	0 0 0
2N4948-49 2N4951 2N4952 2N4953 2N4954	LU 88 88 88 88	T098 T098 T098 T098	L21 L21 L21 L21	60V 60V 50V 40V	30V 30V 30V 30V	5V 5V 5V 5 V	500MA 500MA 500MA 500MA	150C 150C	36 0 M h F 36 0 M w F 36 0 M w F 36 0 M h F	250 M 250 M	8 P 8 P 8 P	60/200 100MN 200MN 60/600	150MA 150MA 150MA 150MA	VMS VMS	SEU SEU SEU	BSW64 BSW64 BSW64 BSW64	2N2222A 2N2222A 2N2222A 2N2222A	0
2N4957 2N4958 2N4959 2N4960 2N4961	PS PS PS NS	T072 T072 T072 T039 T039	L06 L06 L06 L04 L04	30V V0E V06 V06	30V 30V 30V 60V 80V	3V 3V 3V 6V	30MA 30MA 1A	200C 200C 200C 200C 200C	200MWF 200MWF 200MWF 800MWF 500MWF	1000M ( 1000M ( 250M )	0P8 0P8 15P	20MN 20MN 20MN 100MN 100MN	2MA		FCU	BSW54 BSW54	2N2219A 2N2219A	
2N4962 2N4963 2N4964 2N4965 2N4966	NS NS PS PS	T018 T018 T0106 T0106 T0106	LCI	60V 80V 50V 50V 50V	60V 80V 50V 40V 40V	6V 6V 5V 5V		125C	800MWF 500MWF 200MWF 200MWF 200MWF	250M 250M 60M 60M 40M	15P 15P 8P 8P 9P	100MN 100MN 30/120 80/400 45MN	150MA 10UA	RMG ALN ALN	FCU FCU	BC179	2N2222A 2N2222A 2N3965 2N3965 2N4966	
2N4967 2N4968 2N4969 2N4970 2N4971		T0106 T0106 T0106 T0106 T0106	L17 L17 L17	50V 30V 50V 50V 50V	40V 25V 30V 30V 40V	6V 6V 5V 5V		125C	200MWF 20CMWF 200MWF 200MWF 200MWF		12P	115MN 40/200 40/120 100MN 40/120		ALG AMG AMG	FCU FCU	BC 338	2N4967 2N4966 2N5818 2N5818 2N5819	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	T	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ıss
2N4972 2N4974 2N4975 2N4977-79 2N4983-89	PS	1012	L17 L62 L62	50V 40V 40V	40V 30V 30V	5 V 10 V 10 V	1 A	125C 200C 200C	800MWF	200M 175N 175N	8P 8P 8P	100MN 30KMN 15KMN	10MA 10MA		NAT MOB MOB	BC 328	2N5819 2N4974 2N4974	0 0 0 0
	TH S NS FE FE	1060	Lél	65V	3CV	4V 4	500MA	200C	30WC	500 M	25P	10/200		THY BDS UHP FET FET	MCB MOB			0 0 0 0
2N5022 2N5023 2N5029 2N5030 2N5031	PS NS NS	1035 1039 1098 1098 1072	L03 L03 L21 L21 L06	50V 30V 40V 30V 15V	50V 30V 15V 12V 10V	5V 5V 4V 4V 3V	500MA 200MA 200MA	200C 200C 175C 175C 200C	1 WF 320 MWF	170 M 200 M 500 M 400 M 1 G	25 P 4 P 4 P	25/100 40/100 40/120 30MN 25/300	500MA 10MA 10MA	VLS VLS	GEU	BSX20 BSX20 BFY90	2N2 36 9 2N2 36 9	0 0 0 0
2N5032 2N5033 2N5038 2N5040 2N5041	NS FE NS PS PS	T072 T03 T0105 T0105		15 V 120 V 25 V 40 V	10V 90V 25V 40V	3V 5V 5V	204	200C 200C 125C 125C	140WC 300MWF 300MWF	60M 100M	35P	25/300 20/100 30MN 40/150	12A 150MA		SEU FCU	BF\$95 BF\$95	2N2857 2N5038 2N4036 2N4036	0 0 0
2N5042 2N5045-47 2N5050 2N5050 2N5051	FE NS	T039 T066 T066 T066	L43	125V	40v 125v 125v 150v	5 V 6 V 6 V 6 V	2 A 2 A	200C 175C 175C 175C	800MWF 40WC 40WC 40WC	101	250P 250P	40/150 25/100 25/100 25/100		AMG FET RHH RHH RHH	T18 M08 M08	BFS93 BDY79 BDY79 BCY79	2N4037 2N5050 2N5050	0 0 0 0
2N5052 2N5055 2N5056 2N5057 2N5060-64	PS PS	T018 T018		200 V 1 2 V 1 5 V 1 5 V	200v 12V 15V 15V	6 V 4 V 4 V 4 V	2A 100MA 100MA 100MA	20 CC	40WC 200MWF 360MWF 360MWF	10M 550M 600M 800M	4P5 4P5	25/100 30/100 30/100 40/100	75 CMA 30 MA 30 MA 30 MA	V L S	NAT	BSW25 BSW25 BSW25	2N3738 2N3546 2N3546 2N3546	0 0 0 0
2N5067 2N5068 2N5069 2N5070 2N5078	NS NS	103 103 103 1060	LC5 L05 L05 L61	40V 60V 80V 65V	40V 60V 80V 30V	5 V 5 V 5 V 4 V	1	200C 200C 200C 200C	87WC 87WC 87WC 70WC	4M 4M 4N 100M	85P	20/80 20/80 20/80 20/80 10/100	1	RHG RHG RHH VHP FET	MOB MOB	BD Y24 BC Y24 BD Y24	2N3448 2N3448 2N3448	0 0 0 0
2N5086 2N5087 2N5088 2N5089 2N5090	PS PS NS NS	T092 T092 T092 T092 T060	L14 L14 L14 L14 L14	50 V 50 V 35 V 30 V 55 V	50V 50V 30V 25V 30V	3V 3V 3V 3V 3V 3V5	50MA 50MA 50MA 50MA 400MA	135C 135C 135C 135C 200C	310MWF 310MWF 310MWF 310MWF 7WC	40 M 40 M	4P 4P 4P 4P 3P5	150MN 250MN 300MN 400MN 10/200	1MA 1MA 1COUA 1COUA 5OMA	ALN	MOU FCU	BC 320 BC 322 BC 349C BC 349C	2N5086 2N5087 2N3904 2N3904	0 0 0 0 0
2N5103-05 2N5108 2N51C9 2N5114-16 2N5127	NS FE	T039 T039	L04 LC4	55V 40V 20V	30V 20V 12V	3V 3 V		200C	3500MWF 3500MWC. 200MWF	L 200M	3P5	10MN 40MN 15/300	1 COMA 5 OMA 2 MA		ROM	BC 207	2N4966	0 0 0 0
2N5128 2N5129 2N5130 2N5131 2N5133	NS NS NS NS	10106	L 17 L 17 L 17	15V 15V 30V 20V 20V	12V 12V 12V 15V 15V	3V 3V 1V 3V 3V	200MA	125C 125C	200MWF 300MWF 200MWF 200MWF 200MWF	150 M 150 M 450 M 100 M 40 M	3P 6P	35MN 35MN 12MN 30/500 60MN	5CMA 5CMA 8MA 10MA	AMG VLA ALG	FCU FCU	BC338 BC338 BFX73 BC207 BC209	2N5818 2N5818 2N918 2N4966 2N4967	0 0 0 0
2N5134 2N5136 2N5137 2N5138 2N5139	NS NS NS PS PS	10106 10105 10106 10106 10106	L04 L17 L17	20V 30V 30V 30V 20V	10V 20V 20V 30V 20V	3 V 3 V 3 V 5 V 5 V	1 COMA 500MA 500MA 100MA	125C 125C	20 CMWF 22 0MWF 30 0MWF 20 0MWF 20 0MWF	250 M 40 M 40 M 40 M 300 M	35P 35P 7P	20/150 20/400 20/400 50/800 40MN	150MA 150MA 100UA	AMG AMG	SGI FCU SGI	BSX2C BSX33 BC338 BC206 BC307	2N2369 2N731 2N5818 2N4250 2N6015	0 0 0 0
2N5140 2N5141 2N5142 2N5143 2N5144	PS PS PS PS	1	L17	5 V 6 V 20 V 20 V 50 V	5V 6V 20V 20V 30V	4٧	50MA 100MA 500MA 500MA	1 25C 1 25C 1 25C	200MWF 200MWF 300MWF 300MWF 36CMWF	1004	7P 10P 10P	20/140 30MN 30MN 30MN 60/150	50MA	VLS AMG AMG	NAT NAT NAT	BSW25	2N3546 2N3546 2N4036 2N5819 2N22224	0 0 0 0
2N5145 2N5146 2N5155 2N5157 2N5158-59	NS PS PG NS FE	103	L 04 L 05 L 05	50V 140V 700V	30 v 120 v 400 v	1 V5	500MA 25A 3500MA	1100	800MWF 106WC 100WC	100		25/100	1 COMA 8A 1A	VMS QUA AHE RHE FET	MOB MOB MOB	BSX55 AU106 BU105	2N3725 2N5157	0 0 0
2N5160 2N5161 2N5162 2N5163 2N5164-69	PS PS PS FE TH	1060 1060	104 161 161		40V 40V 40V	4V	400MA 500MA 5A	2 00C	5WC 5CWC	500 N	4P 15P 60P	10MN	50 MA 250 MA 2A	UMP VMP VHP FET THY	MOB MOE			0 0 0 0
2N517C-71 2N5172 2N5174 2N5175 2N5176	TH NS NS NS	T098 T098	L 21 L 21 L 21 L 21	90V 130V	25V 75V 100V 100V	5V 5V	25MA 25MA	175C 125C 125C 125C	200MWF 200MWF 200MWF 200MWF		10P	100MN 40MN 55MN 140MN	1 OMA	ALH	GEU GEU GFU	PBC 107 BSX21 BSX21 BSX21	2N5309 2N1990F 2N1990R 2N1990F	≀ 0
2N5179 2N5189 2N5190 2N5191 2N5192	NS NS	T039	L31	60V 40V 60V	12V 35V 40V 60V 80V	5V 4V 4V	2 A 4 A 4 A	20 CC 20 0C 15 0C 15 0C 15 0C	20 0 MWF 1 WF 40 WC 40 WC 4 C WC	2501 2N 2N	4 1 1	25/250 15MN 25/100 25/100 20/80	1500MA 1500MA	AHE	RCU MOU		2N2857 2N3735 2N5192 2N5192 2N5192	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	Р ТОТ		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2N5193 2N5194 2N5195 2N5196-99 2N5201	PS PS FE	10126 10126 10126 10126	L31	40V 60V 80V	40V 60V 80V	4 V 4 V 4 V	4 A	150C 150C 150C	4 CW C 4 CW C 4 OW C	2M 2M 2M	295	25/100 1 25/100 20/80 1	1500MA 1500MA	AHH FET	MOU	BD442 BD442 BD442 BFY90	2N5195 2N5195 2N5195 2N2857	0 0 0 0
]	TH PS NS NS	1092 1092 1092 1092	L 14 L 14 L 14 L 14	30V 50V 50V 20V	25V 50V 50V 15V	3V 4V 4V 3V	50MA 50MA 50MA 100MA	135C 130C 130C	31CMWF 310MWF 31CMWF 310MWF	300 M 30 M 30 M 150 M	1 P 4 P 4 P		2MA 1MA	THY VLA ALG ALN ALG	SEU MOB MOU MOU	BF497 BC167 BC169 BC347A	2N5209 2N5210 2N3903	0 0 0 0
2N5220 2N5221 2N5222 2N5223 2N5224	PS NS NS	T092 T092 T092 T092 T092	L14 L14 L14 L14 L14	15V 15V 20V 25V 25V	15V 15V 15V 20V 12V	3V 3V 2V 3V 5V	500MA 500MA 50MA 100MA	1350 1350 1350 1350 1350	310MWF 31CMWF 31CMWF 31OMWF 310MWF	100 M	10P 15P 1P3 4P 4P	30/600 30/600 20MN 50/800 40/400	50MA 50MA 4MA 2MA 10MA	AMG AMG ULA ALG VLS	МОВ	8C387 8C388 8FX73 8C347A 8SX20	2N4401 2N4403 2N918 2N3903 2N2369	0 0 0
2N5225 2N5226 2N5227 2N5228 2N5229	NS PS PS PS	T092 T092 T092 T092 T046	L 14 L 14 L 14 L 14 L 101	25 V 25 V 30 V 5 V 15 V	25V 25V 30V 5V 10V	4V 4V 3V 3V 15V	500MA 500MA 50MA 50MA 50MA	135C 135C 135C 135C 200C	310MWF 310MWF 310MWF 310MWF 500MWF	50M 50M 100M 300M 8M	20 P 20 P 5 P 5 P 5 P	30/600 30/600 50/700 30MN 50MN	50MA 50MA 2MA 10MA 100UA	AMG AMG ALG VLS ALC	MOB MOB MOB MOB	8 C 38 7 8 C 38 8 8 C 35 O A 8 S W 2 5	2N4401 2N4403 2N3905 2N3546	0 0 0 0
2N5230 2N5231 2N5241 2N5244 2N5245-48	PS NS PS	T046 T046 T03 T018	L01 L01 L05 L01	30V 50V 400V 40V	20 v 30 v 32 5 v 40 v	30 V 50 V 5 V 5 V	50MA 50MA 5A 100MA	200C 200C 150C 175C	500MWF 500MWF 125WC 360MWF		5P 5P 4P	50MN 50MN 15/35 150MN	1 CGUA 1 CGUA 2 50 OMA 1 OMA	ALC ALC RHE VLS FET	MOR MOB MOS SGI TIB	BU105 BSW25	2N5157 2N3546	0 0 0 0
2N5257-59 2N5260-61 2N5262 2N5265-69 2N5270	TH NS	105	L04	75 V	50V	5V	24	200C	800MWF	250M		25MN	14	THY THY VMH FET FET	RCU MOB MOB	BSS14	2N5 262	0 0 0
2N5273-75 2N5277-18 2N5293 2N5294 2N5295	1 1	T0C66 T0C66	L 32	8CV 8CV 60V	75V 75V 50V	7V 7V 5V	4 A 4 A 4 A	150C 150C 150C	36WC 36WC 36WC	800K 800K 800K		30/120 30/120 30/120	500MA 500MA 1A	THY FET AHH AHH AHG	RCB KCB RCU	BDX72 BD589 BDX72	2N6 29 3 2N6 12 3 2N6 29 3	0 0 0 0
2N5296 2N5297 2N5298 2N5301 2N5302	NS NS NS NS	TOP 66 TOQ 66 TOP 66 TO3 TO3	L33	60V 80V 80V 4CV 60V	50V 70V 70V 40V 60V	5 V 5 V 5 V 5 V	4A 4A 4A 30A 30A	150C 150C 150C 200C 200C	36WC 36WC 36WC 200WC 200WC	800K 800K 800K 2M 2M		30/120 20/80 20/80 15/60 15/60		AHG AHG AHG AHG AHH		BD X7 2 BD 58 9	2N6123 2N6293 2N6123 2N3772 2N3772	0 0 0 0
2N5303 2N5305-08 2N5309 2N5320 2N5324	NS NS	T03 T098 T039 T03		80V 70V 100V 250V	80V 50V 75V 150V	5V 5V 7V 4V	2CA 100MA 2A 10A	200C 125C 200C 110C	200WC 360MWF 1WF 56WC	2M 100M 50M 2M	6 P	15/60 100MN 30/130 20/60	500MA	AMH	GEU	PHC107 BSS42	2N3772 2N53090 2N5320 2N5325	0 0 0 0
2N5325 2N5333 2N5334 2N5335 2N5336	PG PS NS NS	T05 T039 T039	L05 LC4 L04 L04 L04	325V 100V 60V 80V 80V	200 v 80 v 60 v 80 v 80 v	4V 8V 8V 6V	10A 2A 3A 3A 5A	110C 200C 200C 200C 200C	57WH 15kC 6WC 6WC 6WC	40 M	75P 75P 250P	30/150	5 A 1 A 1 A 1 A 2 A	RHH RHH AHG AHH AHH		BSV64 BSV64	2N5 32 5 2N4877 2N4877	0 0 0 0
2N5337 2N5338 2N5339 2N5344 2N5345	NS NS NS PS	T039 T066		100V 250V	80V 100V 100V 250V 300V	6V 6V 5V 5V	5 A 5 A 5 A 1 A	200C 200C 200C 200C 200C	6 WC 6 WC 6 WC 4 C WC 4 O W C	30M2 30M2 60M2	250P 250P 250P 250P 200P	30/120 60/240 25/100	2A 2A 2A 500MA 500MA	AHH AHH AHH RMH RMH	MCB MOB MOB MOB			0 0 0
2N5346 2N5347 2N5348 2N5349 2N5354		T059	L63 L63 L63 L63 L30		80 V 80 V 100 V 100 V 25 V	6 V 6 V 6 V 6 V	7A 7A 7A 7A 500MA	200C 200C 200C 200C 150C	60WC 60WC 60WC 60WC 360MWF	30M2	250P 250P 250P 250P 8P	60/240 30/120	2A 2A 2A 2A 50MA	VHG VHG VHG VHG AMG	M 0 B	BCW37	T1S91	0 0 0 0
2N5355 2N5356 2N5357 2N5358-59 2N5360-64		X13	L21 L30 L47	25V 25V 300V	25 V 25 V 300 V	4 V 4 V 4 V	300MA 500MA 3A	125C 150C 200C	360MWF 360MWF 30WC	125M 50M	8P 8P 60P	100MN 200MN 25/100	50MA 50MA 500MA	AMG AMG RME FET FET	MOB MCB	BCW37 BCW37	2N 37 04 T1 S 91 2N 5 3 5 7	0 0 0
2N5365 2N5366 2N5367 2N5386 2N5387	PS PS PS PS NS	X13 X13 X13 T061 T061	L30 L30 L30 L46 L46	40V 40V 40V 100V 200V	40V 40V 40V 80V 200V	4 V 4 V 4 V	500MA 500MA 500MA 12A 7500MA		360MWF 360MWF 360MWF 50WC 100WC	30 M 15 M	8P 8P 8 P	40/120 100MN 200MN 20/80 25/100	50MA 50MA 50MA 6A 2A	AMG AMG AMG RHH RHE	GEU GEU TIB	BCW37	T1S91 T1S91 T1S91	0 0 0 0
2N5388 2N5389 2N5390 2N5391-98 2N5400	NS NS NS FE PS	-	L46 L46 L09	30 QV 1 2 OV	250V 300V 80V 120V		7500MA 7500MA 2A 600MA	200C 200C 200C	100WC 100WC 15WC 310MWF	15M 15M 40M	6P	25/100 25/100 2000MN 40/180	2 A 2 A 2 A 1 O M A	RHE RHE AHD FET RME	TIB TIB TIB		2N 540 1	0 0 0 0
2N5401 2N5405 2N5413 2N5414 2N5427	PS PS NS NS	T092 T05 T039 T039 T066	L14 L04 L04 LC4 L43	160V 10CV 60V 80V 80V	150V 100V 40V 50V 80V	5V 6V 6V	600MA 5A 2A 2A 7A	135C 200C 200C 200C 200C	310MWF 1 WF 5 WC 5 WC 40WC	100M 40M 250M 250M 30M2	6P 250P	50/240 20/60 25/100 20/100 30/120	10 M A 2 A 2 A 2 A 2 A	RME AHH VHS VHS RHH	MOB SOT TIB TIB MOB	BDY79	2N5 401 2N5 405 2N3 738	0 0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	F C T OB MIN MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ıss
2N5428 2N5429 2N5430 2N5431 2N5432-34	NS NS UJ FE	T066 T066 T066	L43 L43 L43	80V 100V 100V	80V 100V 100V	6 V 6 V 6 V	7 A 7 A 7 A	200C 200C 200C	40WC 40WC 40WC	30M250P 30M250P 30M250P	60/240 30/120 60/240	2A 2A 2A	RHH RHH RHH UJT FET	MCB MOB MOB MOB	8DY79 8DY79 8DY79	2N3738 2N3738 2N3738	0 0 0 0
2N5435 2N5436 2N5437 2N5438 2N5439	PG PG PG PG	T03 T03 T03 T03 T03	L05 L05 L05 L05 L05	140V 80V	90V 120V 60V	-	60A 60A 60A 60A	110C 110C 110C 110C 110C	120WC 120WC 120WC 120WC 120WC	350K 350K 350K 350K 350K	20/60 20/60 20/60 40/120 40/120	25A 25A 25A 25A 25A	AHH AHE AHE AHH AHH	MOB MOB MOB MOB MOB		2N5440 2N5440 2N5440 2N5440 2N5440	0 0 0 0 0
2N544C 2N5441-46 2N5447 2N5448 2N5449	PG TH PS PS NS	X10 X10 X10 X10	L2C L2C L20 L20	140V 40V 50V 50V	25V 30V 30V	2 V 5 5 V 5 V	60A 200MA 200MA 80CMA	150C	120WC 360MWF 360MWF 360MWF	350K 100M 12P 100M 12P 100M 12P	40/120 60MN 30MN 100MN	50MA	AHE THY AMG AMG AMG	118	8C327 8C327 8C337	2N5440 2N5819 2N5819 2N5818	00000
2N5450 2N5451 2N5452-54 2N5455	NS NS FE PS	X10 X10 Y018	L2C L20 L01	50V 40V 15V	30V 20V	5V 5V	800MA 800MA 300MA		36 CMWF 36 OMWF	100 M 12 P 100 M 12 P 450 M 6 P	50MN 30MN 30/120.	50MA 50MA 30MA	AMG AMG FET VLS	TIA	BC 337 BC 337 BSW25	2N5818 2N5818 2N3546	0 0 0
2N5456 2N5457-59 2N5460-65 2N5471-76 2N5477 2N5478	PS FE FE NS	T018	L63 L63	80V 80V	80V 80V	4V 6V		200C 200C 200C	340MWF 60WC 60WC	450M 6P 30M25CP 30M25CP	30/120 30/120 60/240	30 MA	VLS FET FET RHG RHH	MCB MCB MOB MOB MOB	BSW25	2N3546 2N5480 2N5480	0 0 0 0 0
2N5479 2N5480 2N5484-86 2N5490 2N5491	NS NS FE NS	T059 T059 T0P66 T0C66	L63 L63 L32 L33		100V 100V 50V 50V	6 V 6 V 5 V	7A 7A 7A	200C 200C 150C 150C	60WC 60WC 50WC 50WC	30M250P 30M250P	30/120 60/240 20/100 20/100	2A 2A 2A 2A	RHH RHH FET AHG AHG	MOB MCB MCB RCU RCU	BDX73 BDX72	2N5480 2N5480 2N6101 2N6100	0 0 0 0
2N5492 2N5493 2N5494 2N5495 2N5496	NS NS NS NS	TOP66 TOQ66 TOQ66 TOQ66 TOQ66	L33 L32 L33	75V 75V 60V 60V 90V	65V 65V 50V 50V 80V	5 V 5 V 5 V 5 V		150C 150C 150C 150C 150C	50WC 50WC 50WC 50WC 50WC		20/100 20/100 20/100 20/100 20/100		AHH AHH AHG AHG AHH	RCU RCU RCU RCU RCU	BD X73 B D X72	2N6101 2N6100 2N6101 2N6100 2N6101	0 0 0 0
2N5497 2N5505-09 2N551C-19 2N5520-24 2N5543-49	NE FE	T0Q66	L33	90 <b>V</b>	eov	5 v	7∆	150C	50WC		20/100	3500MA	AHH FET FET FET	RCL	BD X 72	2N6100	00000
2N5550 2N5551 2N5555 2N5556-58 2N5561-66	FE FE	1092 1092			140v 160v	6 V 6 V	60CMA 6COMA		31CMWF 310MWF	100M 6P 100M 6P	60/250 80/250	10 MA 10 MA		MCB MOB MOB MOB		2N5551 2N5551	00000
2N5567-69 2N5570-74 2N5581 2N5582 2N5583	TH NS NS	1046 1046 1039	LC1 LO1 LC4	75 V 75 V 30 V	40v 40v 30v	6V 6V 3V	50CMA 500MA 500MA	20 O C	50CMWF 500MWF 1WF		40/120 100MN	150MA 150MA		80M		2N2222A 2N2222A 2N5583	
2N5589 2N5590 2N5591 2N5592-94 2N5629	NS NS NS FE NS	x27 x28 x28 x28	L64 L65 L65	36V 36V 36V	18 v 19 v 18 v 100 v	4V 4V 4V 7V		200C 200C 200C 200C	15WC 30WC 70WC 20CWC	30P 70P 120P 1M500P	5MN 5MN 5MN 25/100	10 CMA 25 CMA 50 CMA	VHP VHP FET	1	BD X5 0	2N3773	0 0 0 0
2N5630 2N5631 2N5632 2N5633 2N5634	NS.	T03 T03 T03 T03 T03	L05	140V 100V 120V	120v 140v 100v 120v 140v	7V 7V 7V 7V 7V	15A		200WC 200WC 150WC 150WC 150WC	1 N500 P 1 M500 P 1 M300 P 1 M300 P 1 M300 P	20/80 15/60 25/100 20/80 15/60		АНН	MOB MOB	BDX50 BDX50 BDX50 BDX50 BDX50	2N3773 2N3773 2N3773 2N3773 2N3773	00000
2N5635 2N5636 2N5637 2N5638-39 2N5640	NS NS FE FE	X27 X27 X28	L64 L64 L65	60V 60V	35V 35V 35V	4 V 4 V 4 V	1A 1500MA 3A		8WC 15WC 30WC	10P 20P 30P	5MN 5MN 5MN	100MA 200MA 500MA	UMP	MOB MOB			0 0 0 0
2N5641 2N5642 2N5643 2N5644 2N5645	NS NS NS	X27 X28 X28 X28 X28 X28	L64 L65 L65 L65 L65	65V 65V 65V 36V 36V	35V 35V 35V 18V 18V	4 V 4 V 4 V 4 V	1 A 3 A 5 A 250 M A 1 A	200C 200C	15WC 30WC 60WC 3500MWC 12WC	15P 35P 65P 400M 8P 400M 20P	5MN 5MN 5MN 15MN 15MN	100MA 200MA 500MA 100MA 500MA	VHP VHP	MOB			0 0 0 0
2N5646 2N5647-49 2N5653-54 2N5655 2N5656	FE NS			250 <b>V</b>	18v 250v 300v		2A 500MA 500MA	200C 150C 150C	3 CWC 20 WC 20 WC	400M 40P	15MN 30/250 30/250	1 0 0 MA 1 0 C M A	UHP FET FET ALE ALE	MCB	1.		00000
2N5657 2N5668-69 2N5670 2N5671 2N5672	FE NS	T0126	L 05	350V 120V 150V	350V 90V 120V			150C 200C 200C	20WC 140WC 140WC	10 M 50M 50M	30/250 20/100 20/100		FET VHH	MOB MOB MOB SEU SEU		2N 5672 2N 5672	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	T	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ıss
2N5679 2N5680 2N5681 2N5682 2N5683	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	T05 T05 T05 T05 T03	LC4	100v 120v 100v 120v 60v	100V 120V 100V 120V 60V	4 v 4 v 4 v 4 v 5 v	1 A 1 A 1 A 1 A 5 O A	20 0C 2 00 C 2 00 C 2 0 0C 2 0 0C 2 0 0 C	1 C W C 10 W C 1 W F 1 W F 3 00 W C	30M 30M 30M	50P 50P	40/150 40/150 40/150 40/150 40/150 15/60	250MA 250MA 250MA 250MA 250MA		MOB MOB MOB MOB	BSW67 BSW67	2N3637 2N3637	0 0 0 0
2N5684 2N5685 2N5686 2N5692 2N5693	PS NS NS PG PG	T03 T03 T03 T03 T03	L05 L05 L05 L05 L05	80V 60V 80V 50V 80V	80 V 60 V 80 V 30 V 60 V	5 V 5 V 5 V 2 V 5 2 V 5	50A 50A 5CA 6CA 6OA	200C 200C 200C 110C 110C	300WC 300WC 300WC 120WC 120WC		ON 2 1N 2 1N 2	15/60 15/60 15/60 20/65 20/65	25A 25A 25A 25A 25A	AHH AHG AHG AHG AHH	MOB MOB MOB MOB MOB		2N5686 2N5686 2N5440 2N5440	0 0 0 0
2N5694 2N5695 2N5696 2N5716-18 2N5745	PG PG PG FE PS	103 103 103	L05 L05 L05		80V 100V 120V 80V	2V5 2V5 2V5 5V	60A 60A 60A	110C 110C 110C	12CWC 120WC 120WC 200WC	200K 200K 200K 200K		20/65 20/65 20/65 15/60	25A 25A 25A 25A	AHH AHH FET AHH	MOB MOB MOB MOB MOB		2N5440 2N5440 2N5440	0 0 0 0
2N5754-57 2N5758 2N5759 2N5760 2N5763	TH NS NS NS PS	103 103 103 1018	L05 L05 L05 L01	10CV 120V 14CV 65V	100v 120v 140v 60v	7V 7V 7V 5V	10A 10A 10A 600MA	200C 200C 200C 200C	150WC 150WC 150WC 400MWF	1 M	300 P 300 P 300 P 8P	25/100 20/80 15/60 70MN	3A 3A 3A 150MA	THY AHH AHH AHH RMG	MOB MOB MOB MOB	BDX50 BDX50 BDX50	2N3773 2N3773 2N3773	00000
2N5777-79 2N5780 2N5793-94 2N5795-6 2N5797-99	NS NS PS			! -									ĺ	PHT PHT DUA DUA FET	MOB MOB MOB MOB			00000
2N5800-03 2N58C6-C9 2N5814 2N5815 2N5816		X10 X10 X10	L20 L20	50 V 50 V 50 V	40V 40V 40V	5 V 5 V 5 V	750MA 750MA 750MA	1350	500MWF 500MWF 500MWF	100	15P 15P 15P	1	2 MA 2 MA 2 M A	FET THY AMG AMG AMG	GEU GEU	BC 327	2N 5818 2N 5819 2N 5818	00000
2N5817 2N5818 2N5819 2N5325 2N5827	PS NS PS NS	X10 X10 X10 X10 X10 X10	L20 L20 L20 L20	50 V 50 V 50 V 50 V 50 V	40 V 40 V 40 V 40 V	5 V 5 V 5 V	750MA 750MA 750MA 100MA	135C 135C 125C	500MWF 500MWF 500MWF 360MWF 360MWF		15P 4P	150MN 150MN 100MN	2 MA 2 MA 2 MA 2 MA 2 MA	AMG AMG AMG ALG ALN	GEU GEU GEU	BC337 BC327 BC237	2N 5819 2N 5818 2N 5819 2N 5825 2N 5827	0 0 0 0
2N5829 2N5835 2N5836 2N5837 2N5841	PS NS NS NS	T072 T046 T046	F09 F01 F09	30 V 15 V 15 V 10 V 20 V	30 V 10 V 10 V 5 V 10 V	3 V 5 3 V 5 3 V 5	30MA 15MA 200MA 300MA 100MA	200C 200C 200C		2500M 2000M 1700M	0P8 3P5 5P	25MN 25MN 25MN	2MA 10MA 50MA 100MA 25MA	SL G SM G	M CB M OB M O B	1	2N4261 2N5386	0 0 0
2N5842 2N5843-44 2N5845 2N5845A 2N5846	NS PS NS NS	T092 T092	L14 L14 L14 L51	50V 50V	10v 40v 40v 18v	6V	100MA 1 A 1 A 1 A	150C 150C	350MWF 625MWF 625MWF 10WC	300N 200N	, 9p	35/150	25MA 500MA 500MA 250MA	UMS VMS	MOB MOB MOB		2N5859 2N5859	0 0 0
2N5847 2N5848 2N5849 2N5851 2N5852	NS NS NS NS	X28 X28 T072	L65 L65 L65 LC6	48V 48V 30V	18V 24V 24V 15V 15V	4V 4V 4V5	2A 3500MA 7A 100MA 100MA	200C 200C 200C	2 CW C 5 CW C 1 GO W C 5 G G M W C 5 G G M W C	8008	90P 125P 230P 1 1P5	3 MN 3 MN 40 MN	500MA 1200MA 2500MA 10MA	RHP RHP SMG	MOB MOB		2N5852 2N5852	0 0 0 0
2N5855 2N5856 2N5857 2N5858 2N5859	PS NS PS NS	T0105 T0105	L04	00 V 00 8 00 V	60V 60V 80V 80V 40V	5V 5V 5V	1 A 1 A 1 A 1 A 2 A	125C	750MWF 750MWF 750MWF 750MWF 1WF	2004 154 2004	12P 100P 12P	50/300 50/300	150 MA 50 MA 150 MA 50 MA	AMG AMG	FCU FCU	BFY50 BFS93 BSW66	2N4036 2N2297 2N4037 2N1893 2N5859	0 0 0
2N5860 2N5861 2N5862 2N5864 2N5865	NS NS NS PS	7039 228 7039	L04 L04 L65 L04 L04	100v 65v 90v	45 V 50 V 35 V 70 V 50 V	6V 4V 5V	2A 2A 8A 1500MA 1A	200C 200C 200C	1WF 1WF 8CWG 1250MWF 1250MWF	2001 50N		25/100 5MN 50/500	1A 5CCMA 3A 150MA	VMS VHP RMG	MOB MOB MCB	BFR23	2N5860 2N5860 2N4036 2N4036	0 0 0
2N5867 2N5868 2N5869 2N5870 2N5871	PS PS NS NS PS	T03 T03 T03	L05 L05 L05 L05	8CV 400 80V	60 V 80 V 60 V 00 V 00 V	5 v 5 v 5 v	5 A 5 A 5 A 7 A	200C 200C 200C	87WC 87WC 87WC 87WC	4 A 4 A	200 P 4200P 4150P 4150 P 4300 P	20/100 20/100 20/100	1500MA 1500MA 1500MA 1500MA 2500MA	RHH RHG RHH	MOB	BDY24 BDY24	2N3792 2N3792 2N3448 2N3448 2N3792	0 0 0
2N5872 2N5873 2N5874 2N5875 2N5876	PS NS NS PS	T03 T03	L 05 L 05 L 05 L 05	60V 80V 60V	60V 80V 60V	5 V 5 V 5 V	7A 7A 7A 10A	200C 200C 200C	1 0 0 M 0 1 0 0 M 0 1 0 0 M 0 1 5 C M 0 1 5 0 M 0	41 41 41	1300P 1200P 1200P 1500F	20/100 20/100 20/100	2500MA 2500MA 2500MA 4A 4A	RHG RHH RHG	M 0 B M 0 B M 0 B	8DY24 8DY24	2N3792 2N3448 2N3448 2N3792 2N3792	0 0 0
2N5877 2N5878 2N5879 2N5880 2N5881	NS NS PS PS NS	103 103 103	L05 L05 L05 L05	80V V06 V08	80 V 60 V 80 V	5 V 5 V 5 V	10A 10A 15A 15A 15A	200C 200C 200C	150W0 150W0 160W0 160W0	41 41 41	4300P 4300P 4600F 4600F 4400F	20/100 20/100 20/100	4A 4A 6A 6A	RHH AHG RHH	MOB MOB MOB	8DY24	2N3448 2N3448 2N3792 2N5882	0 0 0
2N5882 2N5883 2N5884 2N5885 2N5886	PS PS PS	T03 T03 T03	L05 L05 L05 L05	80V 60V	60V 80V 60V	5V 5V 5V	15A 25A 25A 25A 25A	200C 200C 200C	160WC 200WC 200WC 200WC	41 41		20/100	6 A 10 A 10 A 10 A	RHG RHH RHG	MOB MOB MOB		2N5882 2N5884 2N5884 2N5886 2N5886	0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	F C T OB MIN MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ıss
2N5887 2N5888 2N5889 2N5890 2N5891	PG PG PG PG	1066 1066 1066 1066 1066	L43 L43 L43 L43 L43	20V 30V 30V 45V 40V	15V 25V 25V 35V 35V	20V 20V 20V 20V 20V	7A 7A 7A 7A 7A	110C 110C 110C 110C 110C	57WC 57WC 57WC 57WC 57WC	250K 250K 250K 250K 250K	15/350 15/350 30/70 30/70 30/70	500MA 500MA 500MA 500MA 500MA	AHG AHG AHG	MOR		2N5898 2N5898 2N5898 2N5898 2N5898	0 0 0 0
2N5892 2N5893 2N5894 2N5895 2N5896	PG PG PG PG	T066 T066 T066 T066	L43 L43 L43 L43 L43	75 V 30 V 45 V 60 V 75 V	60V 25V 35V 45V 60V	20V 20V 20V 20V 20V	7A 7A	110C 110C 110C 110C 110C	57WC 57WC 57WC 57WC 57WC	250K 250K 250K 250K 250K 250K	30/70 60/120 60/120 60/120 60/120	500MA 500MA 500MA 500MA 500MA	AHG AHG AHG			2N5900 2N5898 2N5898 2N5898 2N5898 2N5900	0 0 0 0
2N5897 2N5898 2N5899 2N5900 2N5901	PG PG PG PG	T066 T066 T066 T066	L43 L43 L43 L43 L43	30V 45V 60V 75V 30V	25V 35V 45V 60V 25V	20V 20V 20V 20V 20V		110C 110C 110C 110C 110C	57WC 57WC 57WC 57WC 57WC	250K 250K 250K 250K 250K	100MN 100MN 100MN 100MN 175MN	500MA 500MA 500MA 500MA 500MA	AHG AHG AHH AHH AHG			2N5898 2N5898 2N5900 2N5900 2N5900	0 0 0 0
2N5910 2N5938 2N5941 2N5942 2N5943	PS NS NS NS	T01C6 T060 X29 X29 T039	L17 L61 L66 L66 LC4	.20V 60V 65V 65V 40V	20V 50V 35V 35V 30V	4V 4V 4V 3V5	6A	200C 200C 200C	200MWF 20WC 80WC 140WC 1WF		30/120 30/150 10MN 10MN 25/300	10MA 1A 50GMA 1A 5CMA	VLS VHP VHP UHP	NAT TIB MOB MOB MOB	BSW25	2N3546	0 0 0 0
2N5944 2N5945 2N5946 2N5947 2N5949	NS NS NS NS FE	X28 X28 X28 X27	L65 L65 L65 L64	36V 36V 36V 40V	16V 16V 16V 30V	4V 4V 4V 3V5	400MA 800MA 2A 400MA	200C 200C	5WC 15WC 37WC 5WC	15P 25P 45P 1100M 4P	20MN 20MN 20MN 25/250	100 MA 200 MA 500 MA 75 MA	UMP UMP UMP FET	MOB MOB MOB MOB			0 0 0 0
2N5950-53 2N5961 2N5962 2N5963 2N5974	FE NS NS NS PS	T0106 T0106	L17 L17	60V 45V 30V 60V	60V 45V 30V 40V	8 V 8 V 8 V 5 V	50NA 50NA 50MA 50MA	125C 125C	625MWF 625MWF 625MWF 75WC	100M 4F 100M 4P 150M 4P 2M300P	150MN 600MN 1200MN 20/120	10MA 10MA 10MA 2500MA	FET ALG ALN ALN AHG		1	2N5825 2N5827 2N5827 2N6126	0 0 0 0
2N5975 2N5976 2N5977 2N5978 2N5979	PS PS NS NS		L32 L32 L32	80V 100V 60V 80V 10CV	60V 80V 40V 60V 80V	5V 5V 5V 5V	5A 5A 5A 5A 5A	150C	75WC 75WC 75WC 75WC 75WC	2M300 P 2M300 P 2M200 P 2M200 P 2M200 P	20/120 20/120 20/120 20/120 20/120	2500MA 2500MA 2500MA	AHG	MOB MOB MOB	B0590 BD590 BDX73 BDX73 BDX73	2N6126 2N6126 2N6101 2N6101 2N6101	0 0 0 0
2N5980 2N5981 2N5982 2N5983 2N5984	PS PS PS NS	TOP66 TOP66 TOP66 TOP66 TOP66	L32 L32 L32	60V 80V 100V 6CV 8CV	40v 60v 80v 40v 60v	5 V 5 V 5 V 5 V 5 V	8A 8A 8A 8A	150C 150C 150C	90WC 90WC 90WC 90WC	2M350P 2M350P 2M250P	20/120 20/120 20/120 20/120 20/120	4 A 4 A 4 A 4 A	AHG AHH AHH AHH AHH	M O B	80 X 7 8 80 X 78	2N6134 2N6134 2N6134 2N6103 2N6103	0 0 0 0 0
2N5985 2N5986 2N5987 2N5988 2N5989	PS PS	TOP 66 TOP 66 TOP 66 TOP 66 TOP 66	L32 L32 L32	80V	80V 40V 60V 80V 40V	1	124	150C 150C 150C 150C 150C	90WC 100WC 100WC 100WC 100WC	2 M 5 0 0 P 2 M 5 0 0 P	20/120 20/120 20/120 20/120 20/120		AHH AHH	MOB MOB MOB	BCX75 BDX78 BOX78 BOX73 BOX75	2N6103 2N6134 2N6134 2N6134 2N6103	0 0 0 0
2N5990 2N5991 2N6003 2N6008 2N6015		TOP 66 TOP 66 X10 TO 98 X10		80V 100V 35V 35V 70V	60V 80V 25V 25V 60V	5 V	12A 12A 500MA 500MA 800MA	125C 125C	100WC 100WC 400MWF 400MWF 500MWF	140M 6P	20/120 20/120 210MN 250MN 100MN	64	AHH ALN ALN	GEU	BDX75 BC309 PBC109	2N6103 2N6103 2N6003 2N6008 2N6015	0 0 0 0
2N6027-28 2N6029 2N6030 2N6031 2N6032	PS PS PS	T03 T03 T03 T03	L05	1200	100V 120V 140V 90V	7V 7V	20A	200C	200WC 200WC 200WC 140WC	1M 1NO 1M 1NO 1M 1NO 50M	25/50 20/80 15/60 10/50	1	1	MOB MOB MOB	l .	2N6031 2N6031 2N6031 2N6031	0 0 0
2N6033 2N6040 2N6041 2N6042 2N6043	PS PS	103 10P66 10P66 10P66 10P66	L32 L32 L32	00V	120V 60V 80V 100V 60V	5V 5V 5V	84	i .	14CHC 75WC 75WC 75WC 75WC	50M 4M300P 4M300P 4M30CP 4M20CP	1000MN	4CA 4A 4A 3A	AHD AHD AHD	MOB MOB MOB	1	2N6032	00000
2N6044 2N6045 2N6049 2N6050 2N6051	PS PS PS PS	TOP66 TO66 TO3		90 V	80V 100V 55V 60V 80V	5V 7V 5V		150C 200C 200C	75WC 75WC 75WC 150WC 150WC	4 M2 00 P 3 M2 00 P 4 M5 00 P	750MN	4A 3A 500MA 6A 6A	AHD RHG AHD	MOB MCB MOB	BDY78	2N5050	0 0 0 0
2N6052 2N6053 2N6054 2N6055 2N6056	PS PS	T03 T03 T03 TC3 T03	L05 L05 L05 L05 L05	V06 V08	100V 60V 80V 60V 80V	5 V 5 V 5 V	12A 8A 8A 8A 8A	200C 200C 200C	150WC 100WC 100WC 100WC 100WC		750MN	6 A 4 A 4 A 4 A	AHD AHD AHD	MOB MOB MOB			0 0 0 0
2N6057 2N6058 2N6059 2N6064 2N6065	NS NS PG	T03 T03 T03 T08 T08	L12	80V 100V 80V	60V 80V 100V 80V 120V	5 V 5 V 5 V	12A 10A	200C 200C 200C 110C 110C	150WC 150WC 150WC 56WC 56WC	4M300P 4M300P 300K	750MN	6 A 6 A 3 A 3 A	AHD AHH AHH	MOB		2N6066 2N6066	0 0 0 0
2N6066 2N6067 2N6068-69 2N6070-75 2N6080	PS TH TH	T08 T092	L14	160V 50V 36V	160V 40V	5٧	14	110C 150C	56WC 625MWF 12WC	150M 16P		3 A 500 M A 25 C M A	VMS THY THY	MOB MOB MOB		2N6066 2N3765	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	F C T OB MIN MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2N6081 2N6082 2N6083 2N6084 2N6094	NS NS NS NS	X28 X28 X28 X28 X28 X29	L65 L65 L65 L65	36V 36V 36V 36V 36V	18V 18V 18V 18V	4V 4V 4V 4V	2500MA 4A 4A 6A	200C 200C 200C 200C 200C	31WC 50WC 50WC 75WC 8WC	85F 130F 130P 200P 200P	5MN 5MN 5MN	5 COMA 1 A 1 A 1 A 2 5 O M A	VHP UHP UHP UHP VMP	MCB MOB MOB MOB			0 0 0 0
2N6095 2N6096 2N6097 2N6098 2N6099	NS NS NS NS	X29 X29 X29 T0Q66 T0P66	l	36V 36V 36V 70V 70V	18V 18V 18V 60V 60V	4V 4V 4V 8V 8V	2500MA 4A 6A 10A	200C 200C 200C 150C 150C	20 WC 40 WC 60 WC 75 WC	1 20 F 1 90 P 4 0 0 P	15MN	500MA 500MA 500MA 4A 4A	VHP VHP VHP AHH AHH	MOB MOB ATI ATI	80 X 7 2 8 D X 7 3	2N6100 2N6101	0 0 0 0
2N6100 2N6101 2N6102 2N6103 2N6106	NS NS NS PS	TOC66 TOP66 TCQ66 TOP66 TOC66	L32 L33 L32	80V 80V 45V 45V 80V	70 V 70 V 40 V 40 V 70 V	8 V 8 V 5 V 5 V 5 V	10A 10A 16A 16A 7A	150C 150C 150C 150C 150C	75WC 75WC 75WC 75WC 40WF	500K	20/80 20/80 15/60 15/60 30/150	5A 5A 8A 8A 2A	AHH AHH AHG AHG AHH	ATI ATI ATI ATI RCU	BDX72 BDX73 BDX72 BDX75	2N6100 2N6101 2N6100 2N6103 2N6106	0000
2N61C7 2N61O8 2N61O9 2N611C 2N6111	PS PS PS PS	TOP 66 TOP 66 TOP 66 TOP 66	L33 L32 L33	80 V 60 V 60 V 40 V 40 V	70 V 50 V 50 V 30 V 30 V	5 V 5 V 5 V 5 V	7A 7A 7A 7A 7A	150C 150C 150C 150C 150C	4 C W F 4 O W F 4 O W F 4 O W F	500K 500K 500K 500K 500K	30/150 30/150 30/150 30/150 30/150	2A 2A 2A 2A 2A	AHH AHG AHG AHG	RCU RCB RCU RCU RCU	BDX78 BDX78 BDX78	2N6134 2N6106 2N6134 2N6106 2N6134	0 0 0 0
2N6114-15 2N6116-18 2N6121 2N6122 2N6123		TOP66 TOP66 TOP66	L 32	45V 60V 80V	45V 60V 80V	5V 5V 5V	4 A 4 A 4 A	150C 150C 150C	40WC 40 WC 40 WC	2 M 2 N 2 M	25/100 25/100 20/80		UJT UJT AHG AHH AHH	MCB MCB FCU FCU FCU		2N6123 2N6123 2N6123 2N6123	00000
2N6124 2N6125 2N6126 2N6129 2N6130	PS PS PS NS	TOP 66 TOP 66 TOP 66 TOP 66	L32 L32 L32	45V 60V 80V 40V 60V	45V 60V 80V 40V 60V	5V 5V 5V 5V	4 A 4 A 4 A 7 A 7 A	150C 150C 150C 150C 150C	40WC 40WC 40WC 50WC 50WC	2M 2M 2M 2M 2M 2M	25/100 25/100 20/80 20/100 20/100	1500MA 1500MA 2500MA	AHG AHH AHH AHG AHH	FCU	BD590 BD590 BD590 BDX73 BDX73	2N6126 2N6126 2N6126 2N6101 2N6101	0 0 0 0
2N6131 2N6132 2N6133 2N6134 2N6135	AS PS PS PS NS	TOP66 TOP66 TOP66 TOP66 X27	L32	80V 40V 60V 80V 35V	80V 40V 60V 80V 25V	5V 5V 5V 5V 3V5	7A 7A 7A 7A 250MA	150C 150C 150C 150C 200C	50WC 50WC 50WC 50WC 2500MWC	2M 2M 2M 2M 1100M 3P	20/100 20/100 20/100 20/100 25/300	2500MA 2500MA	AHH AHG AHH AHH UMP	FCU FCU FCU MOB	BDX73 BDX78 BDX78 BCX78	2N6101 2N6134 2N6134 2N6134	0 0 0 0
2N6136 2N6139 2N6140-44 2N6145-47 2N6148-49	TH	x28	L65	36V	180	4V	64	2000	60 W.C	709	20MN	1 4	UHP THY THY THY	MOB MOB MCB MCB MOB			0 0 0
2N6150 2N6151-56 2N6157-59 2N6160-65 2N6166	TH TH	X29	L66	65V	35V	4V	a,ę	200C	117WC	1 30 P	5MN	500MA	THY THY THY THY VHP				0 0 0 0
2N6167-69 2N6170 2N6171-74 2N6175 2N6176	1H	10P66 10P66	1		250V 300V	6V 6V		130C 130C	20 h C 20 h C	21 M 21 M	30 MN 30 MN	20 MA 2 CMA	THY THY ALE ALE		BD232 BC232	2N6177 2N6177	00000
2N6177 2N6182 2N6183 2N6184 2N6185		TOP 66 TO59 TO59 TO59 TO59	L63 L63 L63	450V 80V 80V 100V 100V	350 V 80 V 80 V 10 C V 10 O V	6 V 6 V 6 V 6 V	104	130C 200C 200C 200C 200C	20WC 60WC 60WC 60WC	30 M 30 C P 30 M 30 O P	30MN 30/120 60/240 30/120 60/240		ALE RHH RHH RHH RHH	RCU MCB MOB MOB MOB	BD 232	2N6177	0 0 0 0
2N6186 2N6187 2N6188 2N6189 2N6190	PS PS PS	1059 1059 1059 1059 1039	L63 L63 L63 L63 L63	80V 80V 100V 100V 80V	80v 80v 100v 100v 80v	6 V 6 V 6 V 6 V		200C	6 CW C 6 C W C 6 O W C 6 O W C	30M30CP 30M30CP 30M30OP 30M30OP -30M30OP	60/240 30/120 60/240	2A 2A 2A 2A 2A	RHH RHH RHH RHH RHH	MOB MOB MOB MOB MOB	 	2N61,93	0 0 0 0
2N6191 2N6192 2N6193 2N6226 2N6227	PS PS	T039 T039 T039 T03 T03	LC5		100v 100v	6V 6V 6V 7V 7V		200C 200C 200C 200C 200C	10WC 10WC 10WC 150WC 150WC	30 M 30 C P 30 M 3 C O P 30 M 30 O P 1 M 4 50 P 1 M 4 50 P	60/240	2 A 2 A 2 A 3 A 3 A	RHH RHH RHH AHH AHH	MOB MOB MOB MCB MOB		2N6193 2N6193 2N6193	0 0 0 0
2N6228 2N6229 2N6230 2N6231 2N6233	PS PS	T03 T03 T03 T03 T066	L 05	100v 120v	100v 120v 140v	7V 7V 7V 7V 6V	10A	200C 200C 200C 200C 200C	150WC 150WC 150WC 150WC 50WC	1 M450 P 1 M600 P 1 M600 P 1 M600 P 20 M250 P	15/60 25/100 20/80 15/60 25/125	3A 5A 3A 3A		MOB MOB MOB MOB MOB			0 0 0 0
2N6234 2N6235 2N6236-39 2N6240-41 2N6255	NS TH TH	1066 1066	L43 L43	300V 350V	275 v 325 v	6V 6V 4V	5 A 5 <b>A</b> 1 A	200C 200C	50 WC 50 WC 5 W C	20M250P 20M250P 20P	25/125 25/125 5MN	1A 1A	THY	MCB MOB MCB MCB MOB		2N6235	0 0 0 0
2N6256 2N6257 2N6274 2N6275 2N6276	NS NS	X28 T03 T03 T03 T03	L05	36V 50V 12CV 14OV 16OV		4 V 5 V 6 V 6 V	50A 50A	200C 200C 200C 200C 200C	2WC 200WC 250WC 250WC 250WC	8 P 200K 30M600P 30M600P 30M600P	15/75 30/120 30/120	8 A 2 O A 2 O A	UMP AHG RHH RHH RHH	MOB MOB		2N6031	0 0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J XAM	P TOT	F C T OB MIN MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	iss
2N6277 2N6278 2N6279 2N6280 2N6281	NS NS NS NS	T063 T063 T063	L60 L60		150v 100v 120v 140v 150v	6V 6V 6V 6V	50A 100A 100A 100A	200C 200C 200C	250WC 250WC 250WC 250WC 250WC	30 M6 CO P 30 M6 CO P 30 M6 CO P 30 M6 CO P 30 M6 CO P	30/120 30/120 30/120 30/120 30/120	1	RHP RHP RHP	MOB MOB MOB			0 0 0 0
2N6282 2N6283 2N6284 2N6285 2N6286	NS NS NS PS PS	T03 T03 T03 T03 T03	L05 L05 L05 L05 L05	60V 80V 100V 60V 80V	60V 80V 100V 60V 80V	5V 5V 5V 5V	20A	200C 200C 200C 200C 200C	160WC 160WC 160WC 160WC	4 M 4 0 0 P 4 M 4 0 0 P 4 M 4 0 0 P 4 M 6 0 0 P 4 M 6 0 0 P	750MN 750MN 750MN 750MN 750MN	10A 10A 10A 10A 10A	AHD	MOB MOB MOB			0 0 0
2N6287 2N6288 2N6289 2N6290 2N6291	PS NS NS NS	103 10P66 10Q66 10P66 10C66	L33 L32	100V 40V 40V 60V	100V 40V 40V 60V	5 V 5 V 5 V 5 V	2CA 7A 7A 7A 7A	150C 150C	160WC 16WC 16WC 16WC	l.	750MN 30/150 30/150 30/150 30/150		AHC AHG AHG AHH AHH	RCU RCU RCU		2N6101 2N6293 2N6123 2N6293	0 0 0
2N6292 2N6293 2N6294 2N6295 2N6296	NS NS NS NS PS	TOP66 TOQ66 TO66 TO66 TO66		80V 80V 60V 80V 60V	V08 V09 V08 V08	5 V 5 V 5 V 5 V	7A 7A 8A 8A 8A	150C 150C 200C 200C 200C	16WC 16WC 50WC 50WC 50WC	500K 500K 4M120P 4M120P 4M200P	30/150 30/150 750MN 750MN 750MN	2A 2A 2A 2A 2A	AHA AHD AHD	RCU MOB MOB	I .	2N6123 2N6293	0 0 0
2N6297 2N6298 2N6299 2N6300 2N6301	PS NS NS NS	1066 1066 1066 1066 1066	L43 L43 L43 L43 L43	80V 60V 80V 60V 80V	80V 60V 80V 60V	5 V 5 V 5 V 5 V	48 48 48 48	200C 200C 200C 200C 200C 200C	50WC 75WC 75WC 75WC 75WC	4M200P 4M300P 4M300P 4M200P 4M200P	750MN 750MN 750MN 750MN 750MN	2 A 4 A 4 A 4 A	AHD AHD	MOB MOB MOB			0 0 0
2N6302 2N6304 2N6305 2N6306 2N6307	NS NS NS NS	T03 T072 T072 T03	L05 L06 L06 L05 LC5	30V 30V 500V	120V 15V 15V 250V 300V	7V 3V5 3V5 8V 8V	30A 50MA 50MA 8A 8A	200C 200C 200C	15 CWC 200 MWF 20 CMWF 125 WC 125 WC	1400M 1P 1200M 1P   5M250P	15/60 25/250 25/250 15/75 15/75	3A	I .	MOB MOB MOB			0 0 0
2N6308 2N6312 2N6313 2N6314 2N6338	NS PS PS PS	T066	L05 L43 L43 L43 L05	40V 60V 80V	350V 40V 40V 80V 100V	8 V 5 V 5 V 5 V 6 V	8 A 5 A 5 A 5 A 2 5 A	200C 200C 200C	125 WC 75 WC 75 WC 75 WC 200 WC	4 M 3 0 0 P	12/60 25/100 25/100 25/100 30/120	1500MA 1500MA	AHG AHG	MOB MOB MOB			0 0
2N6339 2N6340 2N6341 2N6342–49 2N6355		T03 T03 T03	L05 L05 L05	160V	120v 140v 150v 40v	6V 6V 6V	"25A 25A 25A 25A	200C	200WC 200WC 200WC 150WC	40 M 3 C O P 40 M 3 O O P 40 M 3 O O P 4 M 6 O O P	30/120	1 CA 10A 10A	VHE VHE THY	MOB MOB MOB			0 0 0
2N6356 2N6357 2N6358 2N6359 2N6360	NS NS	103 103 103 103 103		80V	40V 60V 60V 80V 100V	5 V 7 V	20A 16A	150C 150C 150C 200C 200C	150 WC 150 WC 150 WC 150 WC 150 WC	4M600P 4M600P 200K	1500MN 500MN 1500MN 15/60 15/60	4 A 4 A 4 A 8 A 6 A	OHA OHA HHA	MOB			0000
2N6367 2N6368 2SC14 2SC17 2SC18	NS NS NS	X29 X29 T05 T05	L66 L66 L04 L04 L04	40V 40V	18V 20V 60V 100V	4 V 4 V 1 V 8 V 8 V	2A 8A 20MA 400MA 400MA	200C 165C 175C	4WC	50M 90P 50M350P 10M 3P2 2500K 2500K	5/50 10MN 20/55 12/36 12/36	50CMA 1A 10MA 200MA 200MA	RHP RMG RMG	MOB T 18 T 18			0 0 0
25019 25020 25033 25034 25035	NS NS NS	T05 T05 T03 T03	L04 L04 L05 L05 L05	100V	60v 100v 75v 75v 100v		400MA 400MA 3A 3A 3A	175C 175C 175C		2500K 2500K 15M 15M	30/90 30/90 30/100 60/200 30/100	1 4	RMH	817 917 817			0000
25036 2595A 25102 25103 25104		T018	LC5 LO1 LC1 LO2 LC2	150V 25V 60V 60V 60V	100v 20v 45v 45v 45v	•	3A 200MA 50MA 50MA 50MA	175¢ 175¢	40WC 300MWF 400MWF 400MWF 400MWF	150M 10P 150M 10P	60/200 50/200 20/50 40/100 80/200	10MA 5MA 5MA	VL S RLG RLG	118	BS X 2 0 BS W 6 4 BS W 6 4 BS W 6 4	2N2369 2N22224 2N22224 2N22224	1 0
2\$131 2\$301 2\$302 2\$302A 2\$303	PS PS	T018 T05 T05 T05 T05	L01 L04 L04 L04 L04	15V 80V 40V 25V 25V		30V	200MA 100MA 100MA 150MA 100MA	200C 200C 200C	300MWF 300MWF 300MWF 300MWF 300MWF	350K 65P 400K 65P 350K 65P	20MN 10/30 15/35 15/60 25/75	10MA 1MA 1MA 10MA 1MA	ALH	118 118 118	BSX20	2N2369	0 0 0 0
2\$304 2\$305 2\$306 2\$307 2\$321	PS	T05	L04 L04 L04 L04 L02	6 ۷	125V 6V 15V	15V 50V 6V 15V 30V	100MA 100MA 10MA 10MA 100MA	200C 165C 165C		1M 65P	45/120 10/30 30MN 30MN 10/30	1MA 1MA	ALC	T18 T18			0 0 0 0
2S322 2S322A 2S323 2S324 2S325	PS PS	TC1A TO1A TO1A TO1A	L02 L02 L02 L02	25V 15V	25 V 25 V	20V 10V 20V 15V 50V	100MA 100MA 100MA 100MA	200C 200C 200C	300MWF 300MWF	400K 65P 350K 65P 600K 65P 1700K 65P 350K 65P		10MA 1MA 1MA	ALA ALA	TIB			0 0 0
25326 25327 25501 25502 25503	PS NS NS	T01A T01A T018 T018	L 02 L 04 L 01 L 01 L 01	25V 25V	25V 25V	15V 5V 5V	10MA 10MA 30MA 30MA 30MA	165C	50MWF 50MWF 300MWF 300MWF 300MWF	1M 65P 30M 30M	30MN 30MN 40MN 100MN 180MN		AL N	118 118 118		2N9 30 2N2 484 2N 24 84	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
25512 253010 253020 253021 253030	PS PS	T018 T05 T05 T05 T05	L01 L04 L04 L04 L04	25V 40V 40V 15V 25V	20V 40V 40V 15V 25V	5 V 20 V 20 V 10 V 10 V	200MA 150MA 150MA 150MA 150MA	200C	300MWF 300MWF 300MWF 300MWF 300MWF	250M 100K 150K 150K 250K		50/200 10/45 15/60 15MN 25/85	1 0MA 10MA 10MA 10MA 10MA	VLS ALA ALA ALA	TIB TIB TIB TIB	BSX20	2N2369	0 0 0 0
253040 253210 253220 253221 253230	PS	T05 T01A T01A T01A T01A	L04 L02 L02 L02 L02	15V 40V 40V 15V 25V	15V 40V 40V 15V 25V	10V 20V 20V 10V 10V	150MA 150MA 150MA 150MA 150MA	200C 200C	300MWF 300MWF 300MWF 300MWF 300MWF	400K 100K 150K 150K 250K		40MN 10/45 15/60 15MN 25/85	10 MA 10 MA 10 MA 10 MA 10 MA	ALA ALA ALA ALA	TIB TIB TIB TIB			0 0 0 0
253240 25A12 25A12H 25A13 25A15	PS PG PG PG PG	TO1A TO1 TO1 TO1 TO1	L02 L02 L02 L02	15V 16V 16V 12V 16V	150	16V 1V 12V 1V 1V	150MA 15MA 15MW 15MA 15MA	200C 75C 75C 85C 75C	300MWF 80MWF 80MWF 80MWF 80MWF	4 M 3 M	12P 12P 13P 12P	40MN 70TP 60TP 55TP 60TP	10MA 1MA 1MA 1MA 1MA	ALA RLG RLG RLG RLG	HIJ	0C44N	2N2614 2N2614 2N2614 2N2614 2N2614	0000
25A15H 25A16 25A17 25A17H 25A18	PG PG PG PG	T01 T01 T01 T01 T01	L 02 L 02 L 02 L 02 L 02	16V 12V 12V 16V 21V	13V 10V 12V	13V 1V 0V5 12V 12V	15MA 10MA 150MA 15MA 150MA	75C 85C 60C 75C 85C	80MWF 80MWF 80MWF 80MWF 80MWF	5 M 8 M	12P 13P 15P 12P 15P	70TP 60TP 250TP 120TP 150TP	1MA 1MA 1MA 1MA	RLG RLG RMG RLG RMG	I	0C44N 0C44N ASY27 0C44N ASY27	2N2614 2N2614 2N1305 2N2614 2N1305	0 0 0 0
2SA18H 2SA19 2SA20 2SA21 2SA26	PG PG PG PG	TO1 TO1 TO1 TO1 TO5	L02 L02 L02 L02 L02	21V 12V 12V 12V 20V	120	16 V 1 V 1 V 1 V 6 V	15 MA 2 MA 2 MA 2 MA 5 O MA	75 C 45 C 45 C 45 C 45 C	80MWF 15MWF 15MWF 15MWF 125MWF	9N 20M 25M 25N 25N	12P 3P 3P 3P 20P	140TP 20TP 30TP 50TP 60TP	1MA	RLG RLG RLG RLG RLG	HIJ OBS OBS OBS	OC44N AF124 AF124 AF124 ASY27	2N 2614 2N 990 2N 990 2N 990 2N 1305	00000
2SA28 2SA29 2SA30 2SA31 2SA32	PG PG PG PG	T044 T044 T01 T01 OBS	L36 L36 L02 L02 OBS	18V 18V 12V 12V 20V		1V 0V 5 1V 1V 10V	5MA 5MA 15MA 10MA 50MA	75C 75C 75C 75C 75C	55MWF 55MWF 80MWF 80MWF 100MWF	4M 30M 4M 2M 4M	12P 6P 12P 12P 15P	30TP 30TP 75TP 50TP 65TP	1MA	RLG RLG RLG RLG RLG	OBS OBS FUJ FUJ FUJ	0C44N	2N2614 2N990 2N2614 2N2614 2N2614	0 0 0 0
2SA33 2SA35 2SA36 2SA40 2SA41	PG PG PG PG	08S T01 T01 T01	08S L02 L02 L02 L02	20 V 16 V 16 V 25 V 35 V	18v	10V 1V 1V 12V 20V	25MA 15MA 15MA 50MA 40MA	75 C 85 C 85 C 85 C 75 C	100MWF 80MWF 80MWF 80MWF 25CMWF	4M 2M 2M	15P 12P 12P 12P 12P	65TP 75TP 50TP 65TP 45TP	1 MA 1 MA 1 MA 1 MA 1 MA	RLG RLG RLG RLG RLG	FUJ FUJ	0C44N 0C44N 0C44N 0C44N 0C44N	2N2614 2N2614 2N2614 2N2614 2N2614	0 0 0 0
25A42 25A43 25A49 25A50 25A51	PG PG PG PG	T01 T044 T01 T01	L02 L36 L02 L02 L02	45V 35V 18V 18V 18V		20V 1V 12V 12V 12V	40MA 10MA 5MA 24MA 5MA	75C 85C 75C 75C 75C	250MWF 80MWF 60MWF 55MWF 60MWF	2M 15M 5M 6M 6M	13P 3P 13P 13P 13P	45TP 60TP 30/200 70TP 30/55	1 MA 1 MA 1 MA 1 MA 1 MA	R L G R L G R L G	08S FUJ TOS 08S 08S	AF124 0C44N 0C44N	2N2614 2N990 2N2614 2N2614 2N2614	0 0 0 0
2SA52 2SA53 2SA54 2SA56 2SA57	PG PG PG PG	101	L02 L02 L06 LC1 L36	18V 18V 20V 15V 18V	15V 15V 12V	3 V	5MA 5MA 10MA 50MA 10MA	85C 85C	60MWF 60MWF 75MWF 150MWF 55MWF	1	13P 13P 2P 7P 4P	25/170 20/130 12TP 40TP 80TP	1	R LG UL A VL A	TOS 08S 08S	AF106	2N2614 2N2614 2N990	0 0 0
25A58 25A59 25A60 25A64 25A65	PG PG PG		L36 L02 L36 L02 L02	18V 18V 18V 16V 18V	12 v	0 V 5 0 V 5 0 V 5 9 V 1 2 V	10MA 5MA 5MA 40MA 200MA	75C 85C	55MWF 55MWF 55MWF 80MWF 150MWF		3P 3P 12P 13P	80TP 66TP 70TP 65TP 70TP	1MA 1MA 1MA	RLG RLG RLG RLG RLG	OBS OBS FUJ	AF124 AF124 AF124 OC44N OC44N	2N990 2N990 2N990 2N2613 2N2614	0 0 0 0
2SA66 2SA67 2SA69 2SA70 2SA71	PG PG PG PG	T07	L02 L02 L07 L07	18V 18V 20V 20V 20V	ļ	12V 12V 1V 1V 1V	200MA 200MA 10MA 10MA	75C 75C 75C	150MWF 150MWF 100MWF 100MWF 100MWF	4 N 6 M 40 M 40 M 50 M		70TP 70TP 150TP 150TP 150TP	1 MA 1 MA 1 MA 1 MA	RLG RLG RLG		OC44N AF124 AF124	2N2614 2N2614 2N990 2N990 2N990	0 0 0 0
25A72 25A73 25A74 25A75 25A76	PG PG PG PG	T044 T044 T044	L36 L36 L36 L36 L36	18V 18V 50V 20V 18V		0V5 0V5 0V5 0V5 0V5	5 MA 5 MA 5 MA 5 MA 5 MA	75C 75C 75C	55MWF 55MWF 125MWF 125MWF 55MWF	20M 15M 30M 12M 60M	3 P 3 P 3 P 3 P	50TP 70TP 70TP	1 M A 5 M A 1 M A		OBS OBS	AF 124	2N990 2N990 2N2614 2N990 2N2614	0 0 0 0
2SA77 2SA78 2SA79 2SA80 2SA81	PG PG PG PG	T044 T01	L36 L36 L02 L36 L36	18V 20V	12 <b>v</b>	0V5 2V 12V 0V5 0V5	5 MA 400 MA 200 MA 10 MA	75C 75C 85J	11 0M WF 125MWF 55MWF 80MWF	50M 12M 3M 25M 20M	3P 4P	1	1 M A 100 M A 1 M A	RMS	08 S 08 S 08 S	AF124 AF124 ASY27 AF124 AF124	2N990 2N990 2N1305 2N990 2N990	0 0 0 0
25 A82 25 A83 25 A84 25 A85 25 A86	PG PG PG PG	T044 T044 T044	L36 L36 L36 L36 L36	25V 25V 25 V		0V 5 0V 5 0V 5 1V 1V	1 0 M A 1 0 M A 1 0 M A 1 0 M A 5 0 M A	70C 70C 70C	80MWF 80MWF 80MWF 80MWF 225MWF			80TP 80TP 80TP 80TP 80TP	1 1 1	· I	08 S 08 S 08 S	AF124 AF124	2N990 2N990 2N990 2N990 2N990	0 0 0
2SA92 2SA93 2SA101 2SA102 2SA103	PG PG PG	T044 T01 T01	L36 L36 L02 L02 L02	18V 40V 40V		0V5 0V5 1V 1V 1V	5MA 5MA 10MA 10MA	75C 75C 75C	55MWF 55MWF 60MWF 60MWF	20 M 10 M 15 M	3 P 6 P 6 P	50TP 30TP 40TP	1 M A 1 M A 1 M A	RLG RLG RLG RLG	OBS	AF124 AF124 AF124	2N990 2N990 2N990 2N990 2N990	0 0 0
25A104 25A105 25A106 25A107 25A108	PG PG PG	T044 T044 T044	L02 L36 L36 L36	6V 6V 6V		1 V 1 V 1 V 1 V	10MA 10MA 10MA 10MA	85C 85C 85C	60MWF 35MWF 35MWF 35MWF 80MWF	30 M 15 M	4 P 6 P	50TP 50TP 40TP	1 M A	RLG RLG RLG	FU.	AF124 J AF124 J AF124 J AF124 J AF124	2N990 2N990 2N990 2N990 2N990	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	F C MIN	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
25A1C9 25A110 25A111 25A112 25A113	PG PG PG PG	T044 T044 T044 T044 T044	L36 L36 L36 L36 L36	20V 20V 20V 20V 20V 34V		1 V 1 V 1 V 1 V 6 V	10MA 10MA 10MA 10MA	85C 85C 85C 85C 85C	80MWF 80MWF 80MWF 80MWF 50MWF	15M 15M 10M 10M 10M	3P 3P 3P 3P 12P	60TP 60TP 40TP 45TP 45TP		RLG RLG RLG	FUJ FUJ	AF124 AF124 AF124 AF124 OC44N	2N990 2N990 2N1990 2N990 2N9614	0 0 0 0
25A114 25A115 25A116 25A117 25A118	PG PG PG PG	T044 T044 T044 T044	L36 L36 L36 L36 L36	34V 34V 30V 30V 30V		6 V 1 V 1 V 1 V	10MA 20MA 20MA 20MA 20MA	85C 85C 85C 85C 85C	50MWF 50MWF 50MWF 50MWF 50MWF	10M 15M 6M 50M 50M	12P 12P 3P 3P 3P	40TP 70TP 70TP 75TP 75TP	1MA	RLG RLG RLG	FUJ FUJ	0C44N AF124 AF124 AF124 AF124	2N990 2N990 2N990 2N990 2N990	0 0 0 0
25A121 25A122 25A123 25A124 25A125	PG PG PG PG	X01 X01 X01 X01 X01	L03 L03 L03 L03 L03	15V 15V 15V 15V 15V		1 V 2 V 2 V 2 V 2 V	2 MA 2 MA 2 MA 2 MA 2 MA	65C 65C 65C 65C 65C	15MWF 15MWF 15MWF 15MWF 15MWF	40M 40M 40M 50M 50M	2P 2P 2P 2P 2P	24TP 24TP 24TP 32TP 50TP	1MA 1MA 1MA 1MA 1MA	RLG RLG RLG RLG RLG	OBS		2N990 2N990 2N990 2N990 2N990	0 0 0 0
2SA126 2SA127 2SA128 2SA129 2SA136	PG PG PG PG	T018 T044 T044 T044 T01	L01 L36 L36 L36 L02	15V 70V 40V 40V 6V	150	1V 0V5 2V 2V 1V	50MA 50MA 50CMA 500MA 10MA	85C 75C 75C 75C 85C	150MWF 150MWF 170MWF 170MWF 80MWF	120 M 12 M 10 M 10 M 5 M	7P 20P 20P 20P 12P	40TP 60TP 60TP 60TP 75TP	10MA 1MA 1MA 1MA 1MA	VLA RLG RLG RLG RLG	OBS OBS	OC44N ASY27 ASY27	2N2614 2N1305 2N1305 2N2614	0 0 0 0
2SA137 2SA138 2SA139 2SA141 2SA142	PG PG PG PG	T01 T01 T01 T01 T01	L02 L02 L02 L02	6V 20V 30V 15V 15V	15V 15V 15V	1V 10V 10V 1V5 1V5	10MA 25MA 50MA 15MA	85C 85C 85C 85C 85C	8CMWF 80MWF 80MWF 80MWF 80MWF	i i	12P 12P 12P 15P 15P	50TP 70TP 70TP 70TP 70TP	10MA 50MA	RLG RLG RLS RLG RLG	FUJ	0C44N 0C44N 0C44N	2N2614 2N2614 2N2614 2N2614 2N2614	0 0 0 0
25A142A 25A143 25A144 25A145 25A153	PG PG PG PG	T01 T01 T01 T01 T01	L02 L02 L02 L02	35 V 15 V 15 V 15 V 15 V	35V 15V	1V5 1V5 12V 12V 0V5	15MA 15MA 10MA 10MA 4MA	85C 85C 75C 75C 65C	ROMWF FWM08 FWME8 FWME8	3 M 6 M 5 M 2 M 30 M	14P 15P 13P 14P 2P	70TP 70TP 100TP 50TP 60TP	1 MA 1 MA	RLG RLG RLG RLG RLG	OBS MAT	0C44N 0C44N 0C44N	2N2614 2N2614 2N990 2N2614 2N990	0 0 0 0
25A154 25A155 25A156 25A157 25A159	PG PG PG PG	T01 T01 T01 T01 T01	L02 L02 L02 L02 L02	15V 15V 15V 15V 15V		0V5 0V5 0V5 0V5 0V5	4MA 4MA 4MA 4MA 4MA	650 650 650 650 650	20MWF 20MWF 20MWF 20MWF 20MWF	20M 25M 25M 30M 25M	2P 2P 2P 2P 2P	20TP 30TP 50TP 50TP 50TP	1 MA 1 MA 1 MA 1 MA 1 MA	RLG RLG RLG RLG RLG	OBS N1P	AF124 AF124 AF124	2N990 2N990 2N990 2N990 2N990	0 0 0 0
25A160 25A161 25A162 25A163 25A164	PG PG PG PG	TC1 TC18 TC18 TC18 TC18	L02 L01 L01 L01 LC1	15V 20V 20V 20V 20V		0V5 0V5 0V5 0V5 0V5	4MA 15MA 15MA 15MA 15MA	65C 65C 65C 65C	20MWF 50MWF 50MWF 50MWF 50MWF	25M 100M 125M 150M 100M	2P 2P 2P 2P 2P	60TP 13TP 25TP 66TP 13TP	1 MA 2 MA 2 MA 2 MA 2 MA	RLG VLA VLA VLA	08S 08S 08S	AF124 AF106 AF106 AF106 AF106	2N990	0 0 0 0
25A165 25A166 25A167 25A168 25A168A	PG PG	T018 T018 T05 08S 08S	LC1 LO1 LO4 OBS OBS	20V 20V 20V 20V 20V		0V5 0V5 10V 10V 1CV	15MA 15MA 50MA 200MA 50MA	65C 65C 75C 75C 75C	50MWF 50MWF 125MWF 175MWF 175MWF	4 M	2P 2P 25P 15P 15P	66TP 66TP 70TP 40TP 70TP	200MA	RMG	CBS OBS	AF 106 AF 106 OC 44N ASY27 ASY27	2N2614 2N1305 2N1305	0 0 0 0
2SA169 2SA170 2SA171 2SA172 2SA173	PG PG PG	T05 08S T05 08S T05	L04 0BS L04 0BS L04	20V 20V 20V 20V 20V		10V 10V 10V 10V	50MA 50MA 50MA 200MA 50MA	750 750 750 750 750 750	125MWF 175MWF 125MWF 175MWF 125MWF	6 M 3 M 3 M	13P 13P 15P 15P 15P	70TP 70TP 60TP 40TP 60TP	2COMA	RLG RLG RMG	08S 08S 08S	0C44N 0C44N 0C44N ASY27 ASY27	2N2614 2N2614 2N2614 2N2614 2N1305 2N1305	0 0 0 0
2SA174 2SA175 2SA183 2SA188 2SA189	PG PG	08S T044 T01 T01	08S L36 L02 L02 L02	20V 18V 15V 12V 12V		10V 0V5 15V 1V 1V	50MA 5MA 10MA 15MA 15MA	75C 75C 75C 85C 85C	175MWF 55MWF 50MWF 80MWF 80MWF	40 M 7 M 4 M	15P 3P 15P 12P 12P	60TP 80TP 30TP 65TP 65TP		RLG RLG RLG	OBS OBS FUJ	ASY27 AF124 OC44N OC44N OC44N	2N1305 2N990 2N2614 2N2615 2N2614	0 0 0
2SA2C1 2SA2C2 2SA2C3 2SA2C4 2SA2C5	PG PG	TO1	L02 L02 L02 L04 L04	15V 15V 15V 30V 30V		5V 5V 5V 20V 20V	15MA 15MA 15MA 200MA 200MA	750 750 750 850 850	100MWF 100MWF 100MWF 150MWF 200MWF	5 N 2 M 2 M	13P 13P 13P 20P 20P	50 TP 55 TP 30 TP 65 TP 45 TP	1 MA 1 MA 1 MA	RLG RLG RLG RMG RMG	SAN SAN OBS	0C44N 0C44N 0C44N ASY27 ASY27	2N2614 2N2614 2N2614 2N1305 2N1305	0 0 0 0
25A206 25A207 25A208 25A208H 25A209		105 105 105 105 105	L 04 L 04 L 04 L 04 L 04	30 V 30 V 20 V 20 V 20 V	20V 15V	20V 20V 12V 12V 12V	200MA 200MA 400MA 400MA 400MA	85 C 85 C 85 C 85 C 85 C	200MWF 200MWF 120MWF 120MWF 120MWF	5 M 2 M 2 M	20P 20P 30P 30P 30P	60TP 70TP 40TP 40TP 30MN	1 MA 200 MA	RMG RMS RMS	OBS HIJ HIJ	ASY27 ASY27 ASY27 ASY27 ASY27	2N1 30 5 2N 1 30 5 2N 1 30 5 2N 1 30 5 2N 1 30 5	0 0 0 0
25A209H 25A210 25A210H 25A211 25A211	PG PG	T05 T05 T05 T05 T05	LC4 LO4 LO4 LO4 LO4	20V 20V 20V 18V 25V		12V 12V 12V 10V 15V	400MA 400MA 400MA 100MA 200MA	85C 85C 85C 85C 85C	120MWF 120MWF 120MWF 120MWF 120MWF	4M 4N 2N	30P 30P 30P 25P 30P	65TP 45MN 100TP 30MN 30MN		RMS RMS RMG	HIJ OBS	ASY27 ASY27 ASY27 ASY27 ASY27	2N1305 2N1305 2N2614 2N1305 2N1305	0 0 0 0
25A212H 25A213 25A214 25A215 25A216	PG PG	T05 T01 T01 T01 T01	L04 L02 L02 L02 L02	25V 15V 15V 15V 15V		15V 0V5 0V5 0V5 0V5	20 C MA 2 MA 2 MA 2 MA 2 MA	85C 65C 65C 65C 65C	120MWF 15MWF 15MWF 15MWF 15MWF	2M 60M 60M 50M 50M	30P 2P 2P 2P 2P	60TP 25TP 25TP 40TP 40TP	IMA IMA	RLG RLG RLG	08S 08S 08S	ASY27 AF124 AF124 AF124 AF124	2N1305 2N990 2N990 2N2614 2N2614	0 0 0 0
2SA217 2SA217H 2SA218 2SA219 2SA220	PG PG	T05 T05 T044 T044 T044	L04 L04 L36 L36 L36	25V 25V 20V 20V 20V		12V 12V 0V5 1V 0V5	200MA 200MA 10MA 10MA 10MA	850 850 750 750 750	120MWF 120MWF 50MWF 50MWF 50MWF	6M 6M 12M 20M 20M	30P 30P 4P 4P 4P	30MN 60TP 48TP 50TP 40TP	100MA 1MA 1MA	RMS RLG RLG	HIJ OBS SAN	ASY27 ASY27 AF124 AF124 AF124	2N1305 2N1305 2N990 2N990 2N990	0 0 0 0

TRANSISTOR NUMBER	PM OA LT	RACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	J MAX	Р ТОТ		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2SA221 2SA222 2SA223 2SA224 2SA225	PG PG PG PG	1044 1044 1044 1044	L36 L36 L36 L36 L36	20V 20V 20V 20V 20V		1V 1V 1V 0V5	10MA 10MA 10MA 10MA 10MA	75C 75C 75C 75C	50MWF 50MWF 50MWF 50MWF 50MWF	25 M 35 M 30 M 35 M 40 M	4P 4P 4P 2P 4P	75TP 130TP 130TP 80TP 50TP	1MA 1MA 1MA	RLG RLG RLG RLG RLG	SAN	AF124 AF124 AF124 AF124 AF124	2N2614 2N990 2N990 2N990 2N990	0000
2SA226 2SA227 2SA228 2SA229 2SA230	PG PG PG PG	T044 T044 T072 T072	£36 £36 £06 £06 £06	20V 20V 80V 20V 20V		0 V 5 0 V 5 0 V 5 0 V 2 0 V 2	10MA 10MA 10MA 5MA 5MA	75C 75C 75C 75C 75C 75C	50MWF 50MWF 100MWF 75MWF 75MWF	45 M 35 M 1 2 M 3 0 O M 3 0 O M	2P 4P 30P 2P 2P	120TP 70TP 70TP 10TP 10TP	1MA 1MA 1MA 2MA 2MA	RLG RLG RLH ULA ULA		AF124 AF124 AF118 AF239 AF239	2N990 2N990	0 0 0 0
2 SA2 33 2 SA2 34 2 SA2 35 2 SA2 35H 2 SA2 36	PG PG PG PG	T044 T044 T044 T044 T044	L36 L36 L36 L36 L36	20 V 20 V 20 V 20 V 18 V		0V5 1V 1V 1V 0V5	10MA 10MA 10MA 10MA 5MA	85C 75C 75C 75C 75C	80MWF 80MWF 80MWF 80MWF 55MWF	40M 60M 65M 60M 15M	3P 3P 3P 3P	50TP 70TP 90TP 30MN 50TP	1 MA 1 MA 1 MA 1 MA 1 MA	RLG RLG RLG RLG RLG	LIH LIH LIH	AF124 AF124 AF124 AF124 AF124	2N990 2N990 2N990 2N990 2N990	0 0 0
2SA237 2SA238 2SA239 2SA240 2SA241	PG PG PG PG	T044 T05 T072 T072 T01	L36 L04 L06 L06 L02	18V 25V 20V 20V 20V	2CV	0V5 0V5 0V2 0V2 1V	5 MA 30 MA 5 MA 5 MA 10 MA	75C 85C 85C 85C	55MWF 200MWF 75MWF 75MWF 80MWF	15M 300M 140M 140M 30M	3P 4P 2P 2P 4P	50TP 30TP 10TP 20TP 70TP	1 MA 5 M A 2 M A 2 M A 1 M A	RLG ULA VLA VLA RLG	08S	AF124 AF239S AF106 AF106 AF124	2N990 2N990	0 0 0 0
25 A 24 2 25 A 24 3 25 A 24 4 25 A 24 5 25 A 24 6	PG PG PG PG	107 1072 105 105 1044	L07 L06 L04 L04 L36	20 V 25 V 25 V 30 V	20V 20V 20V 20V	0V4 0V5 0V5 0V5 1V	5MA 5MA 30MA 30MA 70MA	750 850 850 850 750	50MWF 50MWF 200MWF 200MWF 100MWF	290M 300M 280M 280M 70M	2P 2P 4P 4P5 4P5	100TP 20TP 30TP 30TP 70TP	1 MA 2 MA 5 MA 5 MA 5 MA	ULA ULA ULA ULA RLG	OBS OBS	AF239S AF239S AF239S AF239S AF124	2N990	0 0 0 0
2SA247 2SA248 2SA250 2SA251 2SA252	PG PG PG PG	T044 T044 T01 T01A	L36 L36 L02 L02 L02	10V 40V 20V 15V 15V	6V	0V 5 2V 0V5 15V 15V	30MA 200MA 10MA 50MA 50MA	85C 75C 75C 75C	100MWF 125MWF 180MWF 50MWF 50MWF	90M 12M 20M 20M 35M	7P 5P 6P 4P	125TP 50TP 100TP 50TP 150TP	1MA 15MA	VLG RMS RLG RLG RLG	OBS FUJ	AF 106 AS Y27 AF 124 AF 124 AF 124	2N1305 2N990 2N990 2N990	0 0 0
2S A 254 2S A 255 2S A 256 2S A 257 2S A 258	PG PG PG PG	T01 T01 T01 T01	L02 L02 L02 L02 L02	12V 12V 20V 20V 20V		0V5 0V5 0V5 0V5 0V5	10MA 10MA 10MA 10MA 10MA	85C 85C 85C 85C 85C	55MWF 55MWF 55MWF 55MWF 55MWF	4M 2N 25 M 35 M 20 M	12P 12P 3P 3P 3P	80TP 50TP 75TP 75TP 45TP	1 M A 1 M A 1 M A 1 M A	RLG RLG RLG RLG RLG	FUJ FUJ	OC44N OC44N AF124 AF124 AF124	2N2614 2N2614 2N990 2N990 2N990	0 0 0
2SA259 2SA260 2SA261 2SA262 2SA263	PG PG PG PG	T01 T072 T072 T072 T072	L02 L06 L06 L06 L06	20V 20V 20V 20V 20V		0V5 0V4 0V4 0V4 0V4	10MA 5MA 5MA 5MA 5MA	85C 85C 85C 85C 85C	55MWF 40MWF 40MWF 40MWF 40MWF	20 M 80 M 180 M 180 M 180 M	3P 2P5 2P 2P 2P	45TP 50TP 10TP 10TP 10TP	1MA 2MA 2MA 2MA 2MA	RLG VLA VLA	08S 08S 08S	AF124 AF124 AF106 AF106 AF106	2N990 2N990	0 0 0
2SA264 2SA265 2SA266 2SA267 2SA268	PG PG PG PG	TO1	L06 L06 L02 L02 L02	20 V 20 V 20 V 20 V 20 V		0 V4 0 V4 0 V 5 0 V 5 0 V 5	5MA 5MA 10MA 10MA	85C 85C 85C 85C 85C	40MWF 4CMWF 80MWF 80MWF 80MWF	250M	2P 2P 3P 3P 3P	10TP 10TP 75TP 60TP 45TP	1 MA 1 MA	UL A RLG	0 B S F U J F U J	AF239S AF239S AF124 AF124 AF124	2N990 2N990 2N990	00000
2SA269 2SA270 2SA271 2SA272 2SA273	PG PG PG PG	T01 T01	L 02 L 02 L 02 L 02 L 02	20 V 9 V 9 V 9 V 34 V		0V5 0V5 0V5 0V5 1V	10MA 10MA 10MA 10MA	85C 85C 85C 85C 85C	80MWF 80MWF 80MWF 80MWF 80MWF	12M 20M 12M 8M 18M	4P 4P 4P 4P 3P	45TP 75TP 60TP 45TP 45TP	1 MA 1 MA 1 MA	RLG RLG RLG	FUJ FUJ	AF124 AF124 AF124 AF124 AF124	2N990 2N990 2N990 2N990 2N990	0000
2SA274 2SA275 2SA276 2SA277 2SA278	PG PG PG PG	T01 T072 T05	L02 L02 L06 L04 L04	34V 34V 15V 18V 18V		1V 1V 2V 12V 12V	10MA 10MA 20MA 40MA 40MA	85C 85C 75C 75C 75C	80MWF 80MWF 75MWF 65MWF 65MWF		3P 3P 6P 13P 13P	40TP 60TP 60TP 50TP 100TP	1MA 10MA 24MA	RLG VLA RMS	FUJ 085 085	AF124 AF124 AF106 ASY27 ASY27	2N990 2N990 2N1305 2N1305	0 0 0 0
25A279 25A280 25A281 25A282 25A283	PG PG PG PG	T07	L07 L07 L07 L04 L04	30V 30V 50V 18V 18V		0V5 0V5 0V5 12V 12V	30MA 30MA 30MA 200MA 200MA	75C 75C 75C 75C 75C	120MWF 120MWF 120MWF 150MWF 150MWF		4P 3P 13P 13P	100TP 125TP 125TP 80TP 80TP	2MA 10MA 100MA	RLG RLG RMS	08 S 08 S 08 S	AF124 AF124 AF124 ASY27 ASY27	2N990 2N990 2N990 2N1305 2N1305	0 0 0 0
2SA284 2SA285 2SA286 2SA287 2SA288	PG PG PG PG	T044 T044 T044	L04 L36 L36 L36 L07	18V 18V 18V 18V 20V		12V 0V5 0V5 0V5 0V5	200MA 5MA 5MA 5MA 10MA	75C 75C 75C 75C 85C	150MWF 50MWF 50MWF 50MWF 80MWF	6M 18M 20M 25M 250M	13P 3P 3P 3P 2P	80TP 70TP 70TP 70TP 10MN	1MA 1MA	R L G R L G	08S 08S 08S	ASY27 AF124 AF124 AF124 AF239S	2N1 305 2N9 90 2N9 90 2N9 90	0000
2SA289 2SA290 2SA291 2SA292 2SA293	PG PG PG PG	T07 T01A T01A	L07 L07 L02 L02 L02	20V 20V 20V 15V 15V		0V5 0V5 0V5 0V5 0V5	10MA 10MA 50MA 50MA 50MA	85C 85C 75C 75C 75C	80MWF 80MWF 50MWF 50MWF	250 M 45 M 100 M	2 P 2 P 2 P 2 P 2 P	10MN 10MN 40TP 40TP 40TP	3MA 4MA 4MA	VL G	08S FUJ	AF239S AF239S AF124 AF106 AF106	20990	0 0 0 0
2SA294 2SA295 2SA296 2SA297 2SA298	PG PG PG PG	T01A T01 T01	L02 L02 L02 L02 L02	15V 15V 15V 16V 40V	150	0 V 5 15 V 1 2 V 1 2 V 0 V 5	50MA 50MA 15MA 15MA 10MA	75C 75C 85C 85C 85C	50MWF 50MWF 80MWF 80MWF 80MWF	30 M	2P 15P 15P 4P	40TP 50TP 45TP 65TP 55TP	10MA 1MA 1MA	R L G	FUJ 0BS 0BS	AF106 AF124 OC44N OC44N AF124	2N990 2N2614 2N2614 2N2614 2N990	0 0 0 0
2SA304 2SA305 2SA306 2SA307 2SA309	PG PG PG		L04 L04 L36 L36 L07	18V 18V 40V 40V 20V		12V 12V 0V5 0V5 0V3	40MA 40MA 10MA 10MA 5MA	75C 75C 85C 85C 75C	65MWF 65MWF 80MWF 80MWF 83MWF	25M 35M	13P 13P 4P 4P 1P5	70TP 70TP 65TP 70TP 250TP	1 MA 1 MA 1 MA	RLG RLG RLG	08S 08S 08S	ASY27 ASY27 AF 124 AF 124 AF 239S	2N1305 2N1305 2N990 2N990	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ıss
25A310 25A311 25A312 25A313 25A314	PG PG PG	107 105 105 105 105	LC7 LO4 LC4 LO4 LC4	32V 40V 40V 18V 18V		CV 3 2V 2V CV5 OV5	25MA 400MA 400MA 5MA 5MA	75C 75C 75C 75C 75C	106MWF 150MWF 150MWF 60MWF 60MWF	300M 25M 25M 18N 18M	1P5 5P 5P 3P 3P	250TP 60TP 60TP 60TP 100TP	1MA	RMG RMG RLG	OBS OBS	AF239S ASY27 ASY27 AF124 AF124	2N1305 2N1305 2N990 2N990	00000
2SA315 2SA316 2SA321 2SA322 2SA323	PG PG PG PG	T05 T044 T044	L04 L04 L36 L36 L36	18V 18V 20V 20V 20V		0V5 0V5 0V5 0V5 0V5	5 M A 5 M A 10 M A 10 M A 10 M A	75C 75C 75C 75C 75C	60MWF 60MWF 50MWF 50MWF 50MWF	25M 35M 10M 12M 15M	3P 3P 4P 4P 4P	110TP 110TP 40TP 40TP 100TP	1 MA 1 MA 1 MA 1 MA 1 MA	RLG RLG RLG RLG RLG	CBS SAN SAN	AF124 AF124 AF124 AF124 AF124	2N990 2N990 2N990 2N990 2N990	0 0 0 0
2SA324 2SA325 2SA326 2SA327 2SA338	PG PG PG PG	1044 101 101 1044 101	L36 L02 L02 L36 L02	20 V 15 V 15 V 15 V 20 V		0V5 12V 12V 0V5 0V5	10MA 100MA 100MA 100MA 5MA	75C 85C 85C 85C 75C	50MWF 80MWF 80MWF 80MWF 50MWF	30 M 2 M 4 M 15 M 8 M	5 F 15 P 15 P 4 P 4 P	70TP 60TP 60TP 30TP 30TP	1 MA 80 MA 80 MA 8 C MA 1 MA		OBS OBS OBS OBS MAT	AF124 ASY27 ASY27 AF124 AF124	2N990 2N1305 2N1305 2N990 2N990	0 0 0 0
2SA339 2SA340 2SA341 2SA342 2SA343	PG PG PG PG		L02 L06 L06 L06 L07	20V 20V 20V 20V 20V		0V5 0V5 0V5 0V5 0V5	5MA 10MA 10MA 10MA 5MA	75C 75C 75C 75C 75C	50MWF 63MWF 63MWF 63MWF 83MWF	12N 30M 30M 45M 70M	4P 2P 2P 2P 2P	60TP 100TP 100TP 100TP 100TP	1 MA 1 MA 1 MA 1 MA 1 MA	RLG		AF124 AF124 AF124 AF124 AF106	2N990 2N990 2N990 2N990	0 0 0 0
254344 25A345 25A346 25A347 25A348	PG PG PG PG	T044 T072 T072 T072 T072	L36 L06 L06 L06	30 V 20 V 20 V 20 V 20 V	20V 20V 20V 20V	0V5	30MA 10MA 10MA 10MA	75C 85C 85C 85C 85C	120MWF 60MWF 60MWF 60MWF 60MWF	40 M 125 M 125 M 125 M 125 M	5 P 2 P 2 P 2 P 3 P	200TP 30TP 30TP 30TP 10TP	1 CMA 3 MA 3 MA 3 MA 3 MA	VLA	0BS 0BS 0BS	AF124 AF106 AF106 AF106 AF106	2N990	0 0 0
2SA349 2SA350 2SA350H 2SA351 2SA352	PG PG PG PG	TO1 TO1	F05 F05 F05	20V 20V 30V 20V 20V	20v 30v	0V5 0V5 0V5	1CMA 10MA 10MA 10MA 10MA	85C 75C 75C 75C 75C	6CMWF 80MWF 80MWF 80MWF	50M 18M 20M 18M 18M	3P 4P 4P 4P	10TP 40TP 12TP 70TP 75TP	3 M A 1 M A 1 M A 1 M A 1 M A	RLG RLG RLG	LIH LIH LIH	AF106 AF124 AF124 AF124 AF124	2N990 2N990 2N990 2N990	0 0 0
2SA353 2SA353A 2SA354 2SA354A 2SA355	PG PG PG PG	T01 T01 T01	F 05 F 05 F 05 F 05	25V 50V 25V 50V 25V		0V5 1V 0V5 1V 0V5	1 C M A 1 O M A 1 O M A 1 O M A 1 O M A	75C 75C 75C 75C 75C	80MWF 80MWF 80MWF 80MWF 80MWF	18M 12M 12N 12M 12M	4P 4P 4P 4P	70TP 70TP 70TP 70TP 90TP	1 M A 1 M A 1 M A 1 M A	RLH RLG RLH	LIH LIH LIH	AF124 AF118 AF124 AF118 AF124	2N990 2N990 2N990	0 0 0 0
2SA355A 2SA356 2SA357 2SA358 2SA359	PG PG PG PG	101 101 085	L02 L02 L02 085 L04	50V 9V 9V 75V 20V		1 V 0 V 5 0 V 5 1 V 0 V 5	10MA 10MA 10MA 50MA 20MA	75C 75C 75C 85C 75C	80MWF 80MWF 80MWF 125MWF 350MWF	12M 10M 15M 18M 100M	4P 4P 4P 3P 5P	90TP 80TP 80TP 90TP 30TP	1 M A 1 M A 1 M A 1 M A 5 M A	RLG RLG RLH	OBS OBS	AF118 AF124 AF124 AF118 AF106	2N990 2N990	0 0 0 0
2SA 360 2SA 361 2SA 362 2SA 363 2SA 364	P G	T044 T044 T044 T044 T044	L36 L36 L36 L36	1	20 V 25 V 25 V	CV5 OV5 OV5 OV5 CV5	10MA 10MA 30MA 30MA 10MA	85C 85C 85C 85C 85C	HWMOB HWMOB HWMOOI HWMOOI HWMOB	50 M 60 M 60 M 70 M 20 M	4P 4P 5P 6P 9P	70TP 70TP 70TP 80TP 60TP	1MA 5MA 20MA	RLG RLG	08S 08S	AF124 AF124 AF124 AF124 AF124	2N990 2N990 2N990 2N990 2N990	0 0 0 0
2SA365 2SA366 2SA367 2SA368 2SA369		1044	L36 L36 L02 L02 L02	9V 9V 20V 20V 20V	20 V		10MA 10MA 10MA 10MA	85C 85C 85C 85C 85C	80MWF 80MWF 80MWF 80MWF 80MWF	20M 30M 15M 20M 20M	9P 9P 4P 4P 4P	60TP 60TP 70TP 70TP 80TP	1 MA 1 MA 1 MA		08S 08S 08S	AF124 AF124 AF124 AF124 AF124	2N990 2N990 2N990 2N990 2N990	0 0 0 0
2SA37C 2SA371 2SA372 2SA373 2SA374	PG PG		0BS L02 LC1 L04 L04	75 V 20 V 15 V 25 V 34 V	15 V	1V 12V 2V 0V5 0V5	50MA 15MA 200MA 150MA 300MA	85C 85C 75C 85C 75C	12 CMWF 80MWF 100MWF 250MWF 1500MWC	300M	4P 12P 5P 5P 15P	70 TP 70 TP 20 M N 40 TP 100 TP		R L G VM G ULA	08S 08S HIJ	AF118 OC 44N AF106 AF239S BFX29	2N2614 2N29051	0 0 0 0
2SA375 2SA377 2SA378 2SA379 2SA380	PG PG PG PG	1072 1072	L 0 2 L 0 6 L 0 6 L 0 6 L 0 2	1	30V 20V 20V 20V	074	100MA 5MA 5MA 5MA 10MA	85C 75C 75C 75C 85C	80MWF 50MWF 50MWF 50MWF 80MWF	20M 230M 290M 350M 25M	195	40TP 100TP 100TP 100TP 70TP	1MA	ULA ULA	MAT MAT MAT	AF124 AF239S AF239S AF239S AF124	2N990 2N990	0 0 0
2SA381 2SA382 2SA383 2SA384 2SA385	PG PG PG PG	T01	L 02 L 02 L 02 L 02	25V 25V		0V5 0V5 0V5 0V5 1CV	10MA LOMA LOMA LOMA	85C 85C 85C 85C 75C	80MWF 80MWF 80MWF 80MWF 80MWF	15M 12M 10M 18M 4M	4P 4P 4P 4P 12F	50TP 55TP 40TP 60TP 120TP	1 M A	RLG RLG RLG	08S 08S		2N990 2N990 2N990 2N990 2N2614	0 0 0 0
25A400 25A401 25A403 25A404 25A405	PG	T01 T072	L02 L36 L02 L06 LC1	30V 20V 20V	15V 15V 15V		10MA 40MA 10MA 10MA 50MA	85C 85C 85C 85C 85C	80MWF 125MWF 75MWF 75MWF 150MWF	100M 140M 200M	4P 4P 3P 2P 7P	70TP 70TP 10TP 12TP 40TP	1 MA 1 MA 1 MA 1 MA	VLA VLA	HIJ 880 880	AF124 AF106 AF106 AF106 AF106	2N990	0 0 0 0
2SA406 2SA407 2SA408 2SA409 2SA410	PG PG PG	T01A T01A	L04 L04 L02 L02	30V 15 V 15 V	12V 6V 6V	20 V 20 V 15 V 15 V 3 V 5	200MA 200MA 50MA 50MA 50MA	85C 85C 75C 75C 85C	200MWF 200MWF 50MWF 50MWF 150MWF	6M 20M 35 M	25 P 5 P 5 P	50TP 60TP 100TP 100TP 40TP	10 MA 15 MA 15 MA	RMS RLG RLG	FUJ FUJ	ASY27 ASY27 AF124 AF124 ASZ21	2N1305 2N1305 2N990 2N990	0 0 0 0
2SA411 2SA412 2SA413 2SA414 2SA415	P G P G P G	T01 T018	LC1 LC1 LC4	12V 20V 30V	15 V 25 V	2 V 5 0 V 5 2 V 5 2 0 V 2 0 V	150MA 50MA 30MA 200MA 200MA		15 0MWF 15 0MWF 10 0MWF 15 0MWF	30 M 250M 3M	15P	40 TP 30 TP 70 TP 30 TP 45 TP	30 MA 30 MA 100 MA	RLG ULA RMS	LIH TAM TAM	ASZ21 AF124 AF239S ASY27 ASY27	2N 990 2N 1305 2N 1305	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	T	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
254416 254417 254419 254420 254421	PG PG PG PG	T03 T046 T072 T072 T072	L05 L01 L06 L06 L06	70V 15V 20V 20V 20V	60V 15V 20V 20V 20V	1 V 5 2 V 5 0 V 5 0 V 5 0 V 4	700MA 200MA 5MA 10MA 5MA	75 C 85 C 85 C 85 C 85 C	6WC 150MWF 50MWF 50MWF 50MWF	60M 200M 350M 300M 400M	6P 3P 3P 2P	40/100 70TP 20TP 20TP 25TP	6 C G M A 1 C M A 2 M A 2 M A 2 M A	RMS VMS ULA ULA ULA	NIP OBS OBS	AUY10 AF239S AF239S AF239S AF239S		0 0 0 0
2SA422 2SA425 2SA426 2SA427 2SA428	PG PG	T072 T05 T05 T044 T044	L06 L04 L04 L36 L36	20 V 30 V 30 V 20 V 20 V	200	0V4 0V5 0V5 0V5 0V5	5 MA 3 O MA 3 O MA 1 5 MA 1 5 MA	85C 85C 85C 75C 75C	50MWF 200MWF 200MWF 100MWF	500M 175M 250M 20M 20M	2P 5P 4P 5P	25TP 25TP 30TP 60TP 80TP	2MA 2MA 2MA 1MA 1MA	ULA ULA ULA RLG RLG	08S	AF 239S AF 239S AF 239S AF 124 AF 124	2N990 2N990	0 0 0 0
2SA429 2SA430 2SA431 2SA431A 2SA432	PS PG PG PG	T072	L21 L06 L06 L06	150V 20V 20V 20V 20V	20V 20V 20V	3 V 0 V 4 0 V 2 0 V 2 0 V 2	30MA 5MA 5MA 5MA 5MA	1 25C 85C 85C 85C 85C	150MWF 70MWF 70MWF 70MWF 70MWF	40M 450M 200M 250M 200M	7P 1P5 1P 1P	60TP 20TP 16TP 15TP 16TP	2 M A 2 M A 1 M A 1 M A 1 M A	ULA ULA ULA	0BS 0BS 0BS	BSV68 AF239S AF239S AF239S AF239S	2N3497	0000
254432A 25A433 25A434 25A435 25A436	P G P G P G	T072 T044 T07 T018 T018	L06 L36 L07 LC2 L02	20V 18V 20V 20V 20V	18V	0V2 0V5 0V5 0V5 0V5	5MA 5MA 10MA 10MA	85C 75C 75C 75C 85C	70MWF 55MWF 80MWF 8CMWF 60MWF	225M 20 N 180 N 180M 180M	1P 5P 3P 3P 2P5	20TP 60TP 10MN 10MN 10MN	2MA 1MA 3MA 3MA 3MA	ULA	OBS	AF239S AF124 AF239S AF239S AF239S	2N990	0 0 0 0
25A437 25A438 25A446 25A447 25A448	PG PG PG PG	T018 T018 T05 T05 T072	L02 L02 L04 L04 L04	20V 20V 20V 25V 15V	250	0 V 5 0 V 5 0 V 5 0 V 3 0 V 5	10MA 10MA 200MA 15MA 5MA	85C 85C 85C 85C 75C	60MWF 60MWF 200MWF 90MWF 40MWF	180M 180M 220M 330M 1G	2P5 2P5 6P 3P	10MN 10MN 70TP 80TP 40TP	3MA 3MA 100MA 2MA 3MA	ULA ULA ULS ULA ULA	LIH LIH ORS TAM YOS	AF239S AF239S ASZ21 AF239S		0 0 0
2SA450H 2SA451H 2SA452H 2SA453 2SA454	PG PG PG PG	T018 T018 T018 T018	L01 L02 L01 L01	12V 12V 12V 22V 22V	6V 6V	1 V 5 1 V 5 1 V 5 0 V 5 0 V 5	100MA 100MA 100MA 10MA	85C 85C 85C 85C 85C	150MWF 150MWF 150MWF 60MWF	270M 270M 270M 300M 300M	4P 4P 4P 0P6 0P6	30MN 60MN 120MN 6TP 12TP	50MA 50MA 50MA 1MA	ULS ULS ULS ULA ULA	LIH LIH LIH Y02 Y02	ASZ21 ASZ21 ASZ21 AF239S AF239S		0 0 0 0
2SA455 2SA456 2SA457 2SA458 2SA459	PG PG PG PG	T018 T018 T044 T05 T05	L01 L01 L36 L04 L04	22V 22V 18V 25V 25V	14V 14V	0V5 0V5 0V5 15V 15V	10MA 10MA 20MA 200MA 200MA	85C 85C 75C 85C 85C	60MWF 60MWF 55MWF 150MWF 150MWF	300M 300M 20M 2M 2M	0P6 0P6 5P 20P 20P	24TP 48TP 200TP 60TP 120TP	1 MA 1 MA 1 MA 10 MA 10 MA	ULA ULA RLG RMS RMS	SOY SOY OBS OBS OBS	AF239S AF239S AF124 ASY27 ASY27	2N990 2N1305 2N1305	0 0 0 0
25A460 25A461 25A462 25A463 25A464	PG PG PG PG	T044 T044 T044 T044 T044	L36 L36 L36 L36 L36	20 V 20 V 20 V 20 V 15 V	20V 20V 20V 20V 10V	0V5 0V5 0V5 0V5 0V5	10MA 10MA 10MA 10MA	85C 85C 85C 85C 85C	60MWF 60MWF 60MWF 75MWF 60MWF	200M 200M 200M 150M 400M	2P 2P 2P 2P 1P	30TP 30TP 30TP 10TP 30TP	3 MA 3 MA 3 MA 3 MA	ULA ULA ULA VLA ULA	OBS OBS OBS	AF239S		0 0 0 0
2SA467 2SA468 2SA469 2SA470 2SA471	PS PG PG PG	T01	L21 L02 L02 L02 L02	40V 18V 18V 18V 18V	30v	5 V 0 V 5 0 V 5 0 V 5 0 V 5	400MA 10MA 10MA 1CMA 10MA	8 5C 8 5C	300MWF 55MWF 55MWF 55MWF 55MWF	15M 15M 15M	4P 3 P 3 P	70TP 50TP 75TP		RLG	08 S 08 S 08 S	BCW37 AF124 AF124 AF124 AF124	T I S 9 1 2 N 9 9 0 2 N 9 9 0 2 N 9 9 0 2 N 9 9 0	0 0 0
2SA472 2SA473 2SA473/G 2SA473/O 2SA473/R	PG PS PS PS	TOP66 TOP66 TCP66	L 32	18V 30V 30V 30V 30V	25V 25V 25V 25V	5V 5 V	3A		55MWF 10hC 10WC 10WC	100M 100M 100M		80TP 40/400 200MN 70/140 40/80	500MA 500MA 500MA	AHG	TOS TOS	AF 124 BD 590 BD 590 BD 590 BD 590	2N990 2N6126 2N6126 2N6126 2N6126	0 0 0 0
2SA473/Y 2SA474 2SA475 2SA476 2SA477	PS PG PG PG	T01 T01 TC1	L32 L02 L02 L02 L02	30V 50V 20V 18V 18V	25V	5V 0V5 0V5 0V5 0V5	3A 50MA 50MA 10MA	85C 75C 85C	10WC 120MWF 120MWF 55MWF 55MWF	30 M 12 M 60 M	4 P 4 P 3 P	70TP 70TP	1 MA 1 MA 1 MA	R L G R L G R L G	08 S 08 S 0 8 S	BD590 AF124 AF124 AF124 AF124	2N6126 2N990 2N990 2N990 2N990	0 0 0
2SA478 2SA479 2SA480 2SA482 2SA484	PG PG PS PS	T01 T018 T039	L02 L02 L01 L04 L05	30 V	40V 40V 20V 32V 110V	2V 5V 5V	400MA 400MA 100MA 600MA	85C 165C 165C	125MWF 125MWF 150MWF 600MWF	20M 70M 35M	5P 5P 30P	60TP 60TP	1 MA	RMS ALG AMG	0 B S S O Y O B S	ASY27 ASY27 BC107 BFS95 BFS93	2N1305 2N1305 A157 2N4036 2N4037	0
2SA484/R 2SA484/Y 2SA484/B 2SA485 2SA485/Y	PS PS PS PS	T039 T039 T039	LC5	110V	110V 110V 110V 80V	5 V 5 V 5 V	1500MA 1500MA 1500MA 1500MA	150C 150C 150C	800MWF 800MWF 800MWF 800MWF	10M 10M	i l !	30/85 50/140 100MN 30/300 50/140	200MA 200MA 200MA	AMP AMP	TOS	BFS93 BFS93 BFS93 BFS93 BFS93	2N4037 2N4037 2N4037 2N4037 2N4037	0 0 0
25A485/R 25A485/B 25A486 25A486/R 25A486/Y	PS PS PS PS	T039 T039 T039	L05 L05 L05 L05	80 V 50 V 50 V	80 N 80 N 50 N 50 N	5 V 5 V 5 V	1500MA 1500MA 1500MA 1500MA	150C 150C 150C	80 CM NF 800 MWF 800 MWF 800 MWF	10M	1 1	30/85 100MN 30/300 30/85 50/140		A A M C	109 109	BFS93 BFS93 BFS95 BFS95 BFS95	2N4037 2N4037 2N4036 2N4036 2N4036	0
2SA486/B 2SA489 2SA489/0 2SA489/R 2SA489/Y	PS PS PS	1039 10P66 10P66	L32	70V 70V 70V	50\ 60\ 60\ 60\	5 V 5 V 5 V	1500MA 44 44 44	150C 150C 150C	800MWF 30W0 30W0 30W0	3 A	1 4 4	100MN 40/240 70/140 40/80 120MN	200M/ 500M/ 500M/ 500M/ 500M/	AHC AHE AHE	TOS	BF S 9 5 BD 5 9 0 BD 5 9 0 BD 5 9 0 BD 5 9 0	2N 40 36 2N 61 26 2N 61 26 2N 61 26 2N 61 26	
25 A493 25 A494 25 A494/G 25 A494/O 25 A494/Y	PS PS PS	1098 1098	L21 L21 L21 L21 L21	35V 35V 35V		5V 5V 5V	30MA	125C 125C 125C 125C 125C	200 MWF 200 MWF 200 MWF 200 MWF 200 MWF	100	4	200TP 70/400 200MN 70/140 120MN	1000	A ALM	1 TOS	BC214L BC214L BC214L	2N4058 2N4058	

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		DB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2SA495 2SA495/0 2S495/R 2SA495/Y 2SA495G	PS PS PS PS	T098 T098 T098 T098	L21 L21 L21 L21 L21	25V 25V 25V 25V 25V 35V	20V 20V 20V 20V 30V	5V 5V 5V 5V	100MA 100MA 100MA 100MA	125C 125C 125C 125C 125C	200MWF 200MWF 200MWF 200MWF 200MWF	100M 100M 100M 100M 100M	7P 7P 7P 7P 7P	40/240 70/140 40/80 120MN 40/400	10MA 10MA 10MA 10MA	ALG ALG ALG ALG	TOS TOS TOS	BC214L BC214L BC214L	2N4058	0 0 0
2SA495G/R 2SA495G/O 2SA495G/Y 2SA495G/G 2SA496	PS PS	T098 T092 T098 T098 T0126	L 21 L 21 L 21 L 21 L 21 L 31	35 V 35 V 35 V 40 V	30V 30V 30V 30V 30V	5V 5V 5V 5V	100MA 100MA 100MA 100MA 800MA	125C 125C	200MWF 200MWF 200MWF 200MWF 550MWF	100M 100M 100M	7 P 7 P 7 P 7 P 40 P	40/80 70/140 120MN 200MN 40/240	10MA 10MA 10MA 10MA 50MA	ALG ALG ALN	TOS TOS TOS	BC212L BC212L BC214L	2N4061 2N4061	00000
25A496/0 25A496/R 25A496/Y 25A497 25A498	PS PS PS PS	T0126 T0126 T0126 T039 T039	L31	40V 40V 40V 80V 50V	30 V 30 V 30 V 80 V 50 V	5 V 5 V	800MA 800MA 800MA 800MA 800MA	165C	550MWF 550MWF 550MWF 600MWF 600MWF	50M 35M	40P	40/80 40/80 70/140 70TP 70TP	50MA 50MA 50MA 200MA 200MA	AMG AMG AMG	TOS TOS TOS	BD140 BD140 BFS93	2N4920 2N4920 2N4920 2N4037 2N4037	0 0 0 0
2SA499/R 2SA499/R 2SA499/0 2SA499/Y 2SA500	PS PS PS PS	T018	L 01 L 01 L 01 L 01 L 01	50V 50V 50V 50V 30V	40V 40V 40V 40V 20V	5 V 5 V 5 V 5 V	100MA 100MA 100MA 100MA 100MA	175C 175C 175C	250MWF 250MWF 250MWF 250MWF 250MWF	100M 100M 100M	7P 7P 7P 7P 7P	30/70 60/120	1 0 M A 10 M A 10 M A 10 M A	ALG ALG ALG	TOS TOS TOS	BC177 BC177 BC177	2N3965 2N3965 2N3965 2N3965 2N3965	0 0 0 0
2\$A500/R 2\$A500/O 2\$A500/Y 2\$A502 2\$A503	PS PS PS PS	T018 T018 T018 T098 T039	L01 L01 L01 L21 L04	30V 30V 30V 80V 60V	20V 20V 20V 70V 50V	3∨	100MA 100MA 100MA 50MA 600MA	175C 175C 125C	250MWF 250MWF 250MWF 300MWF 800MWF	100M 100M 50M	7P 7P 7P 10P 30P	30/70 60/120 100MN 60TP 30/300	10MA 10MA 10MA 20MA 150MA	ALG ALG ALH	TOS TOS TOS	BC177 BC177	2N3965 2N3965 2N3965 2N3965 2N5400 2N4037	0 0 0
2SA503/0 2SA503/Y 2SA503/G 2SA504 2SA504/0	PS PS PS PS	T039 T039 T039 T039 T039	L04 L04 L04 L04 L04	60V 60V 60V 40V	50V 50V 50V 30V 30V	5V 5V 5V 5V	600MA 600MA 600MA 600MA	175C 175C	800MWF 800MWF 800MWF 800MWF 800MWF	50 M	30 P	1	150MA 150MA 150MA 150MA 150MA		TOS TOS TOS	BFS93 BFS93 BFS95	2N4037 2N4037 2N4037 2N4036 2N4036	0 0 0 0
2SA504/Y 2SA504/G 2SA505 2SA505/0 2SA505/R	PS PS PS PS	1039	L31	40V 40V 60V 60V	30V 30V 50V 50V	5 V	600MA 600MA 800MA 800MA 800MA	175C 175C 125C 125C 125C	800MWF 800MWF 550MWF 550MWF 550MWF		30 P 40P 40P	50/150 100MN 40/240 70/140 40/80	150 MA 150 MA 50 MA 50 MA 50 MA	AMG AMG AMG AMG	TOS TOS	B0140 BD140	2N4036 2N4036 2N4920 2N4920 2N4920	0 0 0 0
2SA505/Y 2SA506 2SA507 2SA508 2SA509	PS PG PG PS	T0126 T072 T072 T072 T098	L31 L06 L06 L06 L21	60V 20V 20V 20V 35V	50v 18v 18v 18v 30v	0V2	800MA 5MA 5MA 5MA 500MA	125C 85C 85C 85C 150C	55CMWF 75MWF 75MWF 75MWF 600MWF	50 M 120 M 120 M 90 M 70 M	40 F 2P 2P 2P 30P	120MN 20TP 20TP 20TP 70/400	50MA 1MA 1MA 1MA 50MA	VLA	08S 08S 08S	AF106 AF106 AF106	2N4920 T1S91	0 0 0
2SA509/0 2SA509/Y 2SA509/G 2SA510 2SA510/0	PS	T098 T098 T098 T039 T039	L04	120V	30V 30V 30V 100V	5∀	500MA 500MA 500MA 1500MA 1500MA	150C 175C	600MWF 600MWF 600MWF 800MWF	70M	30P 30P 50P		50MA 50MA 50MA 200MA 200MA	AMG AMH	TOS TOS	BCW37 BCW37	T1S91 T1S91 T1S91 2N3497	0 0 0 0
2SA510/R 2SA511 2SA511/0 2SA511/R 2SA512	PS	T039 T039 T039 T039 T039	L04 L04	120V 100V 100V 100V 80V	100v 80v 80v 80v 60v	5 V 5 V 5 V	1500MA 1500MA 1500MA 1500MA 1500MA	175C 175C 175C	800MWF 800MWF 800MWF 800MWF 800MWF	20 M 20 M	50P 50P 50P	30/90 30/150 50/150 30/90 30/150	200MA 200MA 200MA 200MA 200MA	AMH AMH AMH	TOS TOS TOS	BSV68	2N3497 2N4037	0 0 0 0
2SA512/0 2SA512/R 2SA513 2SA513/0 2SA513/R	PS PS PS	T039 T039 T039 T039 T039	L04 L04 L04 L04 L04	80V 80V 60V 60V	60V 60V 40V 40V 40V	5V 5V 5V	1500MA 1500MA 1500MA 1500MA 1500MA	175C 175C 175C	800MWF 800MWF 800MWF 800MWF 800MWF	20M 20M 20M 20M 20M	50P 50P 50P	50/150 30/90 30/150 50/150 30/90	200MA 200MA 200MA 200MA 200MA	AMS AMG AMG	TOS TOS TOS	BFS93 BFS93 BFS95 BFS95 BFS95	2N4037 2N4037 2N4036 2N4036 2N4036	0 0 0
2SA516 2SA516A 2SA517 2SA518 2SA522	PS PG PG	T05 T05 T01 T01 T018	L04 L04 L02 L02 L02	80V 120V 18V 18V 25V	60v 100v 20v	5V 0V5 0V5	1500MA 1500MA 10MA 10MA	175C 85C 85C	800MWF 800MWF 55MWF 55MWF 250MWF	20M 20M 40M 40M 100M		60TP 60TP 20MN 20MN 50TP		AMH AMH RLG RLG ALG	TOS 0BS 0BS	AF124 AF124 BC177	2N990 2N990 2N3965	0 0 0
2SA522A 2SA525 2SA527 2SA528 2SA530H	PG PS PS	T018 T072 T05 T05 T018	L01 L06 L04 L04 L01	50V 20V 50V 50V 50V	40V 18V 40V 40V 35V	5V 0 V2 5V 5V 5 V	100MA 5MA 2A 2A 100MA	85C 175C 175C	250MWF 75MWF 5WC 5WC 200MWF	100 M 100 M 40 M 40 M 200 M		50TP 100TP 50TP 70TP 60TP	10MA 1MA 200MA 200MA 10MA	ALG VL A AMG AMG RL G	280 702 702	BC177 AF106 BFS95 BFS95 BSW24	2N3965 2N4036 2N4036 2N2907A	0 0 0
2SA532 2SA537 2SA537A 2SA537H 2SA537AH	PS PS	T039 T05 T05 T039 T039	L04 L04 L04 L04 L04	50V 60V 90V 90V 90V	50V 50V 80V 80V 80V	4V 4V 4V 4V	200MA 700MA 700MA 700MA 700MA	200C 200C 200C	500MWF 750MWF 750MWF 750MWF 750MWF	45M 100M 100M 75M 75M	35P	80 TP 80 TP 80 TP 30 MN 30 MN	50 MA 50 MA 50 MA 50 MA 50 MA	RMG RMG	HIJ	BFS95 BFX29 BFX29 BFX29 BFX29	2N4 03 6 2N 2 9 0 5 A 2N 2 9 0 5 A 2N 2 9 0 5 A 2N 2 9 0 5 A	0
2SA538 2SA539 2SA544 2SA545 2SA546	PS PS	T01 T092 T039 T092 T039	L 02 L 21 L 04 L 21 L 04	25V 60V 60V 70V 70V	45V 45V 60V 60V	12V 5V 5V 5V 5V	50MA 200MA 200MA 200MA 1A	175C	120MWF 250MWF 750MWF 250MWF 750MWF	4 M 100M 80M 100M 50 M	7P	70 TP 40MN 40MN 80 TP 25MN		ALG AMG AMG	NIP NIP NIP	OC44N BC212L BFS95 BCW37 BFS93	2N2614 2N4061 2N4036 T1S91 2N4037	00000
25A546A 25A550 25A550A 25A552 25A560	PS PS PS	T039 T018 T018 T039 T039	L 64 L 01 L 01 L 04 L 04	90V 25V 45V 60V 80V	80V 25V 45V 45V 60V	5 V 5 V 5 V 5 V	1A 100MA 100MA 200MA 800MA	1750 1750	750MWF 300MWF 300MWF 750MWF 800MWF	50M 75M 75M 160M 75 M	8P 8P 7P	25MN 250TP 250TP 40MN 60TP	2MA	ALN ALH RMG	MAT MAT NIP	BFS93 BC179 BC177 BSW24 BFS93	2N4037 2N3965 2N3965 2N2907A 2N4037	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		OB MAX	H • FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2SA561 2SA561/R 2SA561/O 2SA561/Y 2SA561/G	PS PS PS PS	T098 T098 T098 T098 T098	L21 L21 L21 L21 L21	50V 50V 50V 50V 50V	50V 50V 50V 50V 50V	5 V 5 V 5 V 5 V	150MA 150MA 150MA 150MA 150MA	125C 125C 125C 125C 125C	300MWF 300MWF 300MWF 300MWF 300MWF		25P 25P 25P 25P 25P	40/400 40/80 70/140 120MN 200MN	20MA 20MA 20MA 20MA 20MA	ALG ALG ALG ALG ALG	TOS TOS TOS TOS	BC 21 2L BC 21 2L	2N4061 2N4061 2N4061 2N4061 2N4061	0 0 0 0
2SA562 2SA562/R 2SA562/O 2SA562/Y 2SA562/G	PS PS PS PS	T098 T098 T098 T098 T098	L21 L21 L21 L21 L21	30V 30V 30V 30V 30V	30V 30V 30V 30V 30V	5V 5V 5V 5V	400MA 400MA 400MA 400MA 400MA	125C 125C 125C 125C 125C	300MWF 300MWF 300MWF 300MWF 300MWF		25P 25P 25P 25P 25P	40/400 40/80 70/140 120MN 200MN	100 MA 100 MA 100 MA 100 MA 100 MA	AMG AMG AMG AMG AMG	10S 10S 10S 10S 10S	BCW37 BCW37	T1 S 9 1 T1 S 9 1 T1 S 9 1 T1 S 9 1 T1 S 9 1	0 0 0 0
25A564 25A564A 25A565 25A567 25A568	PS PS PS PS PS	T092 T092 T01 T01 T092	L21 L21 L02 L02 L40	25 V 45 V 50 V 30 V 35 V	25V 45V 50V 30V	5V 5V 4V 4V	50MA 50MA 500MA 100MA 300MA	125C 175C 175C	250MWF 250MWF 350MWF 200MWF 200MWF	50M 60M	6P 15P	250TP 250TP 40/200 300TP 100TP	2MA 2MA 10MA 1MA 150MA	ALG ALG RMG ALN AMG		BC212L BFX29 BC179	2N4061 2N4061 2N2905A 2N3965 TIS91	0000
2SA569 2SA570 2SA571 2SA578 2SA579	PS PS PS PS PS	T092 T092 T05 T018 T018	L40 L40 L04 L01 L01	50V 65V 60V 50V	45V 60V 45V 40V	4V 4V 5V 5V	300MA 300MA 1A 30MA 30MA	125C 125C 175C 175C	200MWF 200MWF 800MWF 300MWF 300MWF	60M 60M 200M 50M 50M	15P 15P 25P 10P 10P	100TP 100TP 40MN 350TP 350TP	150MA 150MA 50MA 1MA 1MA	AMG AMG RMG ALG ALN	MIT MIT NIP NIP NIP	BCW37	TI S91 TI S91 2N 2905 A 2N 396 5 2N 396 5	0 0 0 0
25A594 25A594/R 25A594/O 25A594/Y 25A597	PS PS PS PS	T039 T039 T039 T039 T039	L04 L04 L04 L04 L04	60V 60V 60V 60V 50V	45V 45V 45V 45V 40V	5 V 5 V 5 V 5 V 4 V	200MA 200MA 200MA 200MA 1 A	175C 175C 175C 175C 175C	750MWF 750MWF 750MWF 750MWF 6WC	100M 100M 100M 100M 400K	5P 5P 5P 5P	40/240 40/80 70/140 120MN 10/250	10MA 10MA 10MA 10MA 150MA	RMS RMS RMS RMS AMG	TOS TOS TOS TOS	BFX29 BFX29 BFX29	2N 29 0 5 A 2N 29 0 5 A 2N 29 0 5 A 2N 29 0 5 A 2N 4 0 3 6	0
2SA603 2SA604 2SA605 2SA606 2SA608	PS PS PS PS	T018 T018 T018 T05 T092	L01 L01 L01 L04 L21	60 V 120 V 180 V 100 V 30 V	40 V 100 V 160 V 80 V 15 V	8 V 5 V 6 V 5 V 5 V	200 MA 30 MA 50 MA 700 MA 100 MA	175C 165C 165C 175C 125C	300MWF 300MWF 300MWF 9WC 100MWF	150M 100M 100M 40M	7P 5P 5P	80MN 40MN 50MN 30/100 100TP	1 0MA 1 MA 1 MA 200 MA 1 MA	R MG AL H AL H AMH AL G	NIP NIP NIP NIP SAN	85V68 85V68	2N2907A 2N3497 2N3497 2N4061	0 0 0 0
25A609 25A623 25A624 25A628 25628A	PS PS PS PS	T092 T0P66 T0P66 T092 T092		30 V 35V 50V 30V 60V	15V 20V 40V 25V 60V		100MA 1500MA 1500MA 100MA 100MA	125C 125C	100MWF 7WC 7WC 150MWF 150MWF	40M 35M 35M 50M 50M	18P	80TP 35/300 35/300 100TP 100TP	1 MA 500 MA 500 MA 1 MA 1 MA	ALG AHG AHG ALG ALH	SAN MIT MIT MIT MIT	BD590 BD590 BC212L	2N4061 2N6126 2N6126 2N4061 2N4061	0 0 0 0
25A629 25A637 25A639 25A640 25A641	PS PS PS PS	T092 T018 T092 T092 T092	L40 L01 L14 L21 L21	30V 150V 180V 50V 50V	25V 150V 160V 45V 45V	4 V 5 V 5 V 5 V	100MA 50MA 50MA 30MA 30MA	125C	150MWF 300MWF 250MWF 250MWF 250MWF	50M 40 M 50 M 50M 50M	7 P 15 P	200TP 30MN 100TP 100MN 100MN	1MA 15MA 15MA 500UA 500UA	ALN ALH ALE ALN ALN	MIT MAT NIP NIP NIP	BS V68 BC214L	2N4058 2N3497 2N4058 2N4058	0 0 0 0
2SA642 2SA643 2SA645 2SA646 2SA647	PS PS PS PS	TOP66 TOP66	L32	900	15V 20V 60V 80V 100V	5V 5V 5V 5V	300MA 500MA 800MA 800MA 800MA	125C 125C 125C	250MWF 500MWF 7WC 7WC 7WC	50M 35 M 35 M	30P		300MA	AMG AMG	NIP MIT MIT		TIS91 TIS91 2N6126 2N6126 2N6126	0 0 0
2SA659 2SA661 2SA670 2SA671 2SA675	PS PS PS PS	X19 T0C66 T0P66		50V	50V 50V 80V	5V 4V 4V		125C 150C 150C	300MWF 600MWF 25WC 25WC 25WC	50 M	20 P	35/200 35/200	50MA 50MA 1A 1A 20MA	AMG AHG AMG	ZOT LIH LIH	BD590	TI S91 TI S91 2N6106 2N6126 2N3497	0 0 0
254677 254678 254699 2546994 254701	PS PS PS PS	X20 TOP 66 TOP 66		50V 40V 50V	25V 50V 20V 40V 30V	5 V 5 V 5 V	200MA 3A 3A	125C 125C 150C 150C 150C	250MWF 250MWF 10WC 10WC 100MWF	70M 75M 75M			14	AMH AHG AHG	SOY MAT MAT	BD590	TIS91 TIS91 2N6126 2N6126 2N6126	0 0 0
25A702 25A704 25A705 25A719 25A720	PS PS PS PS	X20 X20 T092	L 21 L 42 L 42 L 21 L 21	25V 50V 30V	50 V 25 V 50 V 25 V 50 V	5 V 5 V 5 V	200MA 200MA	125C 125C 125C 125C 125C	100MWF 250MWF 250MWF 400MWF 400MWF	70M 70M	9P	250TP 90TP		ALN ALN AMG	SOY	BC2141 BC2141 BCW37	2N4058	0 0
25816A 25817A 25818A 25819 25820	PG PG PG	08S 08S 08S	083 083 083 083	40V 80V 16V	-	6V 6V 6V	600MA 600MA 600MA 2500MA 2500MA	75C 75C 75C	1800MW0 1800MW0 1800MW0 5500MW0 5500MW0	500K		20/50 20/50 20/50 20/250 20/250	50MA 50MA 50MA		FU. FU.		2N2706 2N2706 2N2706 2N1536 2N1536	
25821 25822 25823 25824 25825	PG PG PG	TO1 TO1	085 L02 L02 L02	25V 15V 15V	250	5V 5V 12V	2500MA 75MA 10MA 10MA 1500MA	75C 75C 75C	5500MW( 170MWF 40MWF 40MWF 20WC	4001		20/250 95TP 30TP 50TP 34/110	30 MA	ALG ALG	SAN OBS	ASZ16 AC125 AC125 AC125 AC125 ASZ16	2N1536 2N406 2N406 2N406 2N1536	0
25826 25826A 25827 25828 25829	P 0 P 0 P 0 P 0	T03 T03 T03	L05	45V 15V 15V	15 \ 15 \		1500MA 3A 500MA 500MA	75C 75C 75C		100 P 100 P 100 P	<b>(</b>	34/110 34/115 18/46 35/96 72/186	200MA 200MA	AMG	083 083 083	ASZ16 ASZ16 ASZ16 ASZ16 ASZ16 ASZ16	2N1 536 2N15 36 2N15 36 2N15 36 2N15 36	
25830 25831 25832 25833 25834	P () P () P () P ()	T03	LO:	15 V 2 20 V 2 20 V	15\		500MA 500MA 50MA 50MA	75C 85C 85C	1WF 1WF 150MWF 150MWF 250MWF	F 3001 F 4001	<b>(</b> ( ) ( )	68TP 115TP 40TP 80TP 85TP	1 M/	AHC ALC ALC	08: FU.	S ASZ16 S ASZ16 J AC125 J AC125 J AC125	2N1536 2N1536 2N406 2N406 2N406	

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		B MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
25837 25838 25839 25840 25841	PG PG PG PG	TC1 TO7 TO1 TO1 TO3	L 02 L 07 L 02 L 02 L 05	30V 10V 40V	20 V 20 V 30 V 32 V	12V 10V 12V	5 C MA 1 5 O MA 2 MA 1 O O MA 1 2 O O MA	85C 85C 85C 75C 85C	150MWF 250MWF 50MWF 80MWF 44WC	400K 300K 400K 400K 200K	70 P	1	1 M A 1 M A 500 U A 100 M A 1 A		FUJ FUJ OBS	AC 128 AC 107N AC 128	2N406 2N2706 2N2706 2N1536	0 0 0 0
25842 25843 25843A 25844 25846	PG PG PG PG	T03 T01 T01 T01 OBS	L05 L02 L02 OBS	60V 25V 45V 25V 25V	50 v	6V	1200 MA 100 MA 150 MA 50 MA 50 MA	85C 75C 85C 75C 75C	44WC 100MWF 150MWF 80MWF 80MWF	200K 100K 400K		35/160 70TP 70TP 110TP 150TP	1 A 50 M A 50 M A 1 M A	AHH ALG AMG ALG ALN	CBS OBS	AC125 AC128 AC125	2N1533 2N406 2N2706 2N406	0 0 0
25847 25848 25849 25850 25851	PG PG PG PG	TO1 TO5 TO5 TO5	LC2 LO4 LC4 LO4 LC4	25V 16V 16V 16V 30V		12v 3v	50MA 100MA 100MA 100MA 200MA	750 650 650 650 850	80MWF 140MWF 140MWF 140MWF 200MWF	1200K - 1500K -	40P 40P 40P	150TP 42TP 83TP 131TP 43TP	1MA 20MA 20MA 20MA 20MA	ALG ALG ALG ALG AMG	CBS OBS OBS OBS	ACY17 ACY17 ACY17	2N406 2N1176 2N1176 2N1176 2N1176	0 0 0 0
25852 25853 25854 25855 25856	PG PG PG PG	T05 T05 T01 T01 T01	L04 L04 L02 L02 L02	30V 30V 30V 30V	20 v 25 v 25 v	12v	200MA 250MA 150MA 150MA 150MA	85C 85C 75C 75C 75C	200MWF 200MWF 15CMWF 150MWF 150MWF	1200K	70P	83TP 73TP 80/300 80TP 80TP	20 MA 20 MA 1 MA 5 CMA 5 OMA	AMG AMG ALG AMG AMG	08S 08S 10S 10S	ACY17 AC125 AC128	2N1176 2N1176 2N406 2N2706 2N2706	00000
2SB56A 2SB57 2SB59 2SB6C 2SB60A	PG PG PG PG	T01 CES T01 T01 T01	F05 F05 F05 F05	45V 30V 30V 30V 20V	45 y 20 v 20 v	10 v 10 v 2 V 5	150MA 100MA 100MA 50MA 50MA	750 750 850 850 850	150MWF 100MWF 150MWF 150MWF 150MWF	500K 400K 400K 400K 400K	70P	801P 651P 701P 651P 701P	50MA 1MA 5CMA 1MA 50MA	AMG ALG AMG ALG AMG	TOS- FUJ FUJ FUJ	AC128 AC125 AC128 AC125 AC128	2N2706 2N406 2N2706 2N406 2N2706	0 0 0 0
2SB61 2SB62 2SB63 2SB64 2SB65	PG PG PG PG	TC1 X03 X03 TC3 TO1	L02 L05 L05 LC5 LC2	30V 60V 60V 100V 30V	20 V	12V 12V 12V 1V 12V	5CMA 1A 1A 6A 100MA	85C 75C 75C 75C 85C	150MhF 5hC 5WC 25WC 150MWF	400K- 100K 100K 500K 400K	7 C P	85TP 30/124 30/124 34/160 65TP	1 MA 5 C C MA 5 C O MA 1 A 1 MA	ALG AHG AHG RHH ALG	FUJ OBS OBS DBS FUJ	AD162 AD162	2N406 2N2835 2N2835 2N2147 2N406	0 0 0 0
25866 25866H 25867 25867A 25867AH	PG PG PG PG PG	TC1 TO1 TO1 TO1 TO1	L C 2 L C 2 L C 2 L C 7	30 V 30 V 55 V 60 V 60 V	30 v 30 v	12V 12V 12V 30V 60V	7 CMA 7 OMA 15 OMA 15 OMA 3 OMA	750 750 750 750 750 750	15CMWF 150MWF 350MWF 350MWF 200MWF	600K 6 300K 5 400K 7 400K 7	CP CP	70 TP 70 TP 45 TP 45 TP 50 MN	1 M A 1 M A 1 M A 1 M A 1 M A	AL G AL G AL H AL H AL H	LIH LIH LIH LIH	0C 77N 0C 77N	2N406 2N406 2N1176B 2N1176B 2N1176B	0
2SB67H 2SB68 2SB69 2SB73 2SB75	99999 9999	TC1 TC5 TO3 TO1 TC1	LC7 LC3 LO5 LO2 LC2	55V 105V 60V 10V 25V	30 v	55 V 5 C V 1 V 1 O V 1 2 V	30MA 100MA 6A 2MA 100MA	750 850 750 750 850	200MWF 50MWF 25%C 50MWF 15CMWF	200K 1 M 800 K 800 K		50MN 60TP 34/160 80TP 55TP	1 M A 5 M A 1 A 5 COUA 1 M A	ALH ALH RHG ALN ALG	HIJ CBS OBS HIJ	0C77N	2N1176B 2N1176B 52N1167 2N406	, -
25875A 25875AH 25875H 25876 25877	PG	TO1 TC1 TO1 TO1	F C S F C S F C S F C S	45V 45V 3CV 12V 25V	45V 45V 25V	12V 2V5	100MA 100MA 100MA 100MA 100MA	850 850 850 850 850	150MWF 150MWF 150MWF 150MWF 150MWF	800K 500K 500K 1M 800K	75P	55TP 55TP 55TP 70TP 70TP	1 M A 1 M A 1 M A	ALG ALG	HIJ HIJ 08S	0C77N 0C77N AC125 AC125 AC125	2N1176B 2N1176B 2N406 2N406 2N406	
25877A 25877AH 25877H 25878 25880	PG PG	101 101 101 X03	L02 L02 L02 L02 L05	45V 45V 30V 12V 25V	45V 30V 30V	12V 12V 12V 2V5 10V	100MA 100MA 100MA 70MA	850 850 850 600 600	150MWF 150MWF 150MWF 150MWF 4WC	800K 600K		70TP 70TP 70TP 100TP 70TP	1 M A	ALH ALG ALG	HIJ HIJ OBS	CC 77N OC 77N AC 125 AC 125 AD 162	2N1176B 2N1176R 2N406 2N406 2N2835	
2\$381 2\$382 2\$883 2\$884 2\$889	PG PG PG	X03 X03 T03 T07	LC5 LC5 LC5 LC5 LC7	8CV 100V 4CV 60V 25V	60V 60V 32V 40V 25V	10V 10V	500MA 500MA 3A 3A 150MA	700 700 800 800 850	2 n C 2 h C 1 2 h C 1 2 h C 250 M h F	4 COK		70TP 70TP 70TP 70TP 55TP	100MA 100MA 1A 1A	AHG	08S 08S	AD162 AD162 ASZ16 ASZ16 AC128	2N2835 2N2835 2N1536 2N1536 2N2706	00000
25885A 25889AH 25889H 25894 25897	PG PG PG PG	T07 T07 T01	L03 L07 L03 L02 L02	45V 45V 30V 25V 18V	45V 30V	12V 12V 12V 12V 12V	300MA 150MA 150MA 50MA 5MA	850 850 850 750 750	25CMAF 250MAF 250MWF 150MWF 4CMAF	500K 600K 600K 400K		65TP 60TP 60TP 150TP 70TP	1 M A	ALH AMG ALG	HIJ HIJ OBS	AC128 OC 77N AC128 AC125 AC125	2N2706 2N11768 2N2706 2N406 2N406	00000
25898 25899 258100 258101 258102	PG PG PG PG	T05 T05 T05	L C 4 L C 4 L C 4 L O 4 O B S	30V 30V 30V 30V 30V		1 C V 1 C V 1 O V 1 O V	50MA 50MA 50MA 50MA 50MA	75 C 75 C 75 C 75 C 75 C	125MWF 125MWF 100MWF 125MWF 180MWF	600K 5 600K 5 500K		120TP 120TP 60TP 60TP 60TP	1 M A 1 M A 1 M A	ALG ALG	OBS CBS OBS	ACY17 AC125 ACY17 ACY17 ACY17	2N1176 2N406 2N1176 2N1176 2N2706	00000
2SB1C3 2SB1C4 2SB1C7 2SB1C7A 2SB1C8	PG PG PG PG PG	085 108 103	L C4 OBS L I 2 L O5 OBS	30V 30V 30V 60V 40V		10V 10V 15V 15V 10V	100MA 100MA 2A 2A 500MA	75C 75C 75C 75C 75C	125MWF 180MWF 1ChC 20WC 50GMhF			70TP 70TP 20/120 20/120 70TP	50MA 300MA 14	AMG AHG AHG	OBS OBS	ACY17 AC128 AD136 ASZ16 AC162	2N1176 2N2706 2N11848 2N1536 2N2835	00000
258110 258111 258112 258113 258115	PG PG PG PG	TO1 TO1	F C S F C S F C S F C S F C S	25V 25V 25V 25V 25V		1 G V 1 G V 1 O V 1 O V 1 O V	50MA 50MA 50MA 50MA	75C 75C 75C 75C 75C	100MWF 100MWF 100MWF	400K 3 400K 3 400K 3 400K 3 500K 3	OP OP	30TP 45TP 60TP 80TP 85TP	1 M A 1 M A 1 M A	ALG ALG ALG	OBS OBS	AC125 AC125 AC125 AC125 AC125	2N406 2N406 2N406 2N406 2N406 2N406	0 0 0 0
2SB116 2SB117 2SB12C 2SB121 2SB122	PG PG PG PG	TO1 TO1 TO1	LC2 LO2 LC2 LC5	25V 25V 32V 105V 80V	60 V	10V 10V 2V5 50V 40V	50MA 50MA 20MA 100MA 1500MA	750 750 850 850 750	100MWF 150MWF	500K 3 500K 3 200K 200K 1 100K	6P	110TP 140TP 70TP 60TP 34/110	20MA 2MA 5MA	ALG ALG ALH	OBS FUJ FUJ	AC125 AC125 AC125 OC 77N ASZ15	2N4C6 2N4O6 2N4O6 2N4O6 2N1176B 2N1533	0 0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		DB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
258123 258124 258125 258126 258127	PG PG PG PG	T03 OBS CES T03 T03	L05 08S 08S L05 L05	80V 60V 36V 32V 32V	16 V	25 V 25 V 10 V	1500MA 15A 15A 3500MA 3500MA	750 750 750 850 850	20 hC 41 WC 41 WC 40 WC 40 WC	100K 180K 180K		60TP 70MN 70MN 15/50 26/100	1A 15A 15A 3A 3A	AHG AHH AHG AHG	OBS OBS OBS MAT MAT	ASZ16 ASZ16	2N1533 2N1536 2N1536	0 0 0 0
258128 2581284 258129 258130 258131	PG PG PG PG	T03 T03 T03 X03	L05 L05 L05 L05 L05	80V 120V 80V 32V 40V	40 v 60 v 40 v 16 v 32 v	40V 60V 40V 10V	6A 6A 6A 1500MA	900 900 900 750 850	40 WC 40 WC 40 WC 6 WC 65 WC	100K 100K 100K 700K 200K		16/36 16/36 30/80 20MN 35/160	6A 6A 6A 1500MA	AHG AHG AHG AHG	MAT MAT	ASZ16 AD162	2N1536 2N1533 2N1536 2N2835 2N1536	0 0 0 0
258131A 258132 258132A 258134 258135	PG PG PG PG	101	L05 L05 L05 L02 L02	40V 60V 60V 30V 30V	32 v 50 v 50 v 30 v 30 v	12V 12V 12V 15V 15V	8A 1500MA 8A 100MA	85C 85C 85C 85C 85C	65 WC 65 WC 65 WC 100 MWF	200K 200K 200K 300K 300K		40/160 35/160 40/160 70TP 70TP	1A 1A 1A 500UA 1MA	AHG AHH AHH ALN ALG	FUJ MIT	ASZ15 ASZ15 AC107N	2N1536 2N1533 2N1533 2N406	0 0 0
2S8135A 2S8136 2S8136A 2S8137 2S8138	PG PG PG PG	T01 T01 T03	L02 L02 L02 L05 L05	110V 25V 60V 30V 60V	110V 25V 40V 25V 35V	12 V 12 V 12 V 15 V 30 V	50MA 150MA 300MA 5A 5A	85C 85C 85C 85C 85C	100MWF 150MWF 150MWF 30WC	400K 300K 300K		50 TP 120 TP 120 TP 30/250 30/250	1 0 MA 50 MA 50 MA 1 A	AMG AMH	MIT MIT OBS	AC 128 OC 77 N AS Z 16	2N3497 2N2706 2N1176 2N1536 2N1536	B 0 0 0
258138A 258138B 258140 258141 258142	PG PG PG PG	T03 T03 T03	L05 L05 L05 L05 L05	80V 80V 40V 60V 30V	40V 60V 40V 60V 30V	30V 30V 12V 12V 12V	5A 5A 1500MA 1500MA	85C 85C 85C 85C 85C	30W0 30W0 35W0 35W0 1500MWF	1005 100K		30/250 30/250 62/89 62/89 12/31	1 A 1 A 1 A 1 A	AHS AHS	08S 08S	ASZ15 ASZ16 ASZ15	2N1536 2N1533 2N1536 2N1533 2N1536	- 1
258143 258144 258145 258146 258147	P G P G P G	T03 T03 T03	L05 L05 L05 L05	30V 30V 30V 30V 60V	30V 30V 30V 30V 60V	12V 12V 12V 12V 12V	1 A 1 A 1 A 1 S	85C 85C 85C	1500 MWF 1500 MWF 1500 MWF 1500 MWF 1800 MWF	100K 100K 100K		23/59 45/119 37TP 75TP 28/119	1 A 1 A 1 A 200 M A	AHC AHC	08S	ASZ16 ASZ16 ASZ16	2N1536 2N1536 2N1536 2N1536 2N1533	0 0
258148 258149 258150 258151 258152	P (0 P (0 P (0 P (0	T03 T01 T03	08S L05 L02 LC5	105V 80V	50V 60V 80V	60v	15A EA 40MA 5A	75C 75C 85C	40 W C 25 W C 50 M W F 50 W C 50 W C	100K 200K 200K		70TP 60MN 35TP 30/75 30/75	15A 5A 20MA 3A	AH(	0.85 0.85 FUJ	ASZ 16 OC 77N ASZ 15	2N1100 2N1536 2N1176 2N1533 2N1533	B C
258155 258156 258156A 258157 258158	PO PO PO	T01 T01 OBS	0B2 0B2 F03 F03	16 V 20 V 7 V	6 V	2V5 2V5 7V 7V	300MA 300MA 300MA 5MA	85C 85C 65C	150MWF 150MWF 150MWF 60MWF	200 K		30TP 45TP 45TP 35TP 55TP	1 MA 1 MA 1 MA 250UA 250UA	AM (	HIJ	AC128 AC128 AC107N	1	,   c
258159 258160 258161 258162 258163	P() P() P() P()	08S 105	08 S 08 S L 04 08 S L 04	7V 30V 30V		7 V 7 V 1 O V 1 O V 1 O V	5 MA 5 M A 100 MA 100 MA	75C 75C	60MWF 60MWF 125MWF 180MWF 125MWF	300K 300K 300K	50P	50 <b>T</b> P	250UA 8750UA 50MA 50MA	AL!	0 B S		N	;   0
258164 258165 258166 258167 258168	P( P( P( P(	T05 0BS	085 LC4 085 L02 L02	30V 30V 20V	201	10V 10V 10V 2V5 2V5	100MA 100MA 100MA 500MA	75C 75C 85C	180MWF 125MWF 180MWF 200MWF 150MWF	400k 400k 500k	50º 50F	100TP		AMO	G 083 G 083 G FU	S ACY17	2N2706 2N1176 2N1176 2N2706 2N406	
258169 258170 258171 258172 258173	P( P( P( P(	G TO1	L02 L02 L02 L02	30V 30V 32V		2V 5 6V 6V 10V 6V	100MA 10MA 10MA 125MA	75C 75C 75C	150 MWI 125 MWI 125 MWI 125 MWI 125 MWI	200H	; ;	85TP 30TP 50TP 50TP 50TP	1 M/ 500U/ 3U/ 100M/ 1U/	A AL	MA' MA' G MA'	BC179 BC179 AC128	2N406 2N3965 2N3965 2N2706 2N3965	5 (
258175 258176 258177 258178 2581784	Pi Pi Pi	G TO1 G TO1 G TO1	L02 L02 L02 L02	32V 60V 20V		6V 10V 10V 6V	10M/ 125M/ 125M/ 300M/ 300M/	75C 75C 75C	125MW 125MW 125MW 225MW 225MW	4006 3006	• (	90TP 100TP 65TP 65TP 65TP	3M001 M0006 M008 M008	Δ Δ M	G MA	AC128 T AC128 T AC128	2N406 2N2706 2N2706 2N2706 2N2706	5 (
258180 25818CA 258181 258181A 258185	P (	6 108 6 708 6 108	112 112 112 112 102	40 v 80 v 60 v	30 \ 40 \ 40 \	12V 12V	1 / 1 / 1 / 1 / 50 M /	85C 85C 85C	13W 12W 6W 12W 150MW	200	(	30/90 25/150 20/150 25/150 45TP	300 M 50 G M 50 G M 50 G M 30 M	4 AH 4 AH 4 AH	G FU G FU	J AD136 J AD136 J AD136	2N1184 2N1184 2N1184 2N1184 2N406	4B (
258186 258187 258188 258189 258199	P P P	G TO1 G TO1+	L 0 2 L 0 2 L 0 3 L 0 3	2 25 V 2 25 V 2 25 V		25V 25V 25V 12V 2V5	50M/ 50M/ 50M/ 250M/ 300M/	75C 75C 75C	150MW 150MW 150MW 250MW 250MW	F 2001 F 2001 F 4001	( ( 60)	170TP 100TP 70TP 70TP 90TP	30 M 3 G M 3 O M 1 O O M	A AL A AM	G SAI G SAI G OB	N AC125 N AC125 S AC128	2N406 2N406 2N406 2N2706 2N2706	
258200 258200A 258201 258202 258203	Pi Pi Pi	G 105 G 105 G 105	L04 L04 L04 L04	45 V 35 V 32 V	32) 35) 32)	12V 12V 12V	400M/ 400M/ 400M/ 400M/ 20/	75C 85C 75C	250MW 250MW 300MW 250MW 80W	F 2001 F 2001 F 2001	<b>(</b>	30/150 30/150 60TP 70/290 20/40	150M 150M 150M 150M	Δ Δ M Δ Δ M Δ Δ M	G 0B G 10 G 0B	S ACYL7 S ACYL7 S ACYL7	2N1176 2N1176 2N1176 2N1176 2N153	5 ( 5 ( 6 (
258204 258205 258206 258207 258207A	P P	G T03 G T03 G T03 G T03 G T03		80v	601		30/ 20/ 30/ 20/ 20/	85C 85C 85C	8 C W 8 C W 8 C W 8 C W 8 C W	c c c		50/100 20/40 50/100 20/40 20/40	15 15	Δ Δ H Δ Δ H	H SH H SH H SH	I ASZ15 I ASZ15	2N1536 2N1533 2N1533 2N1533 2N153	3 (33)

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	F <sub>T</sub> (	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2SB208 2SB208A 2SB209 2SB210 2SB211	PG PG	103 103 103 103 103		100V 140V 40V 40V 80V	301	40V 40V 40V	30A 20A 20A 30A 20A	85C 85C 85C 85C 85C	8 0 W C 80 W C 80 W C 80 W C 80 W C			50/100 50/100 20/40 50/100 20/40	15A 15A		SHI SHI SHI	ASZ 15 ASZ 15 ASZ 16 ASZ 16 ASZ 15	2N1533 2N1533 2N1536 2N1536 2N1533	00000
258212 258213 258213A 258214 258214A		103 103 103 103	L 05	80V 100V 140V 100V 140V	85V 75V	40V 40V	30A 20A 20A 30A 30A	85C 85C 85C 85C 85C	80 W C 80 W C 80 W C 80 W C			50/100 20/40 20/40 50/100 50/100	15A 15A 15A 15A 15A	АНН АНН АНН АНН АНН	SHI SHI SHI	ASZ15 ASZ15 ASZ15 ASZ15 ASZ15	2N1533 2N1533 2N1533 2N1533 2N1533	00000
258215 258216 258217 258218 258219	PG PG PG PG PG	T03 T03 T03 T05 T05	L05 L05 L05 L04 L04	100V 60V 20V 80V 30V	40V 25V		3A 500MA 500MA 500MA 200MA	75C 75C 75C 85C 85C	20WC 20WC 20WC 225MWF 225MWF	800K 400K		20/200 25/200 25/200 50TP 31TP	1A 200MA 200MA 200MA 20MA	AHH AMG AHG AMH AMG	085 085 085	ASZ15 ASZ16 ASZ16 ACY17 ACY17	2N1533 2N1536 2N1536 2N1176 2N1176	00000
258220 258221 258222 258223 258224	PG PG PG PG	105 105 105 105 105	L04 L04 L04 L04 L04	30 V 30 V 30 V 30 V 45 V	25V 25V 25V 25V 30V	10V 10V 15V	200MA 200MA 200MA 200MA 500MA	85C 85C 85C 85C 85C		500K 800K 1 M 200K 800K	40P 40P	20/50 72 TP 97 TP 150 TP 35 TP	20MA 20MA 20MA 20MA 20MA	AMG AMG AHG AMG AMG	085 085 085	ACY17 ACY17 ACY17 ACY17 ACY17	2N1176 2N1176 2N1176 2N1176 2N1176	00000
258225 258226 258227 258227 258228 258229	PG PG PG PG	T05 T05 T05 T03 T03	L04 L04 L04 L05 L05	45V 45V 45V 80V 100V	30V 30V 30V 35V 40V	157	500MA 500MA 500MA 5A 5A	85C 85C 85C 91C 91C	225MWF 225MWF 225MWF 12WC 12WC			53TP 73TP 91TP 35TP 35TP	20MA 20MA 20MA 2A 2A	AMG AMG AHG AHG AHG	08S 08S 08S	AC Y17 AC Y17 AC Y17 A S Z 15 A S Z 15	2N1176 2N1176 2N1176 2N1533 2N1533	00000
2SB230 2SB231 2SB232 2SB234 2SB235	PG PG PG PG	T03 T03 T03 T03 T036		120V 120V 130V 180V 80V	50V 120V 40V	50V 1V 0V5 1V 25V	6A 6A 15A 15A	91C 75C 85C 85C 85C	12 WC 25 WC 40 WC 40 WC 60 WC	400K		35TP 25/200 20TP 15TP 25/200	2A 5A 200MA 6A 5A	AHG RHH RHH RHH AHG	08S 08S 08S	ASZ15 AL103 AL103 AL103 ACZ12	2N1533 2N2147 2N2147 2N2147 2N1100	00000
2SB236 2SB237 2SB239 2SB239A 2SB240	PG PG PG PG	1036 1036 108 108 108	L13 L13 L12 L12 L12	60V 36V 80V 100V 40V	25V 45V	25V 25V 30V 30V	15A 15A 1A 1A	85C 85C 85C 85C 85C	60WC 60WC 13WC 13WC 13WC	150K 150K 200K 200K 200K		25/200 25/200 30/90 30/90 30/90	5A 5A 300MA 300MA 300MA	AHG AHG AHG AHG AHG	085 085 085	ADZ12 ADZ12 AD136 AD136 AD136	2N1100 2N1100 2N1184B 2N11848 2N11848	0
2SB240A 2SB241 2SB241A 2SB242 2SB242A	PG PG PG PG	T08 T08 T08 T08	L 12 L 12 L 12 L 12 L 12	60V 80V 100V 30V 60V	40V 45V 50V 20V 30V		1A 1A 1A 1A	85C 85C 85C 85C 85C	13WC 13WC 13WC 13WC 13WC	200K 200K 200K 200K 200K		30/90 30/90 30/90 20/60 20/60	300MA 300MA 300MA 300MA 300MA	AHG AHG AHG AHG	085 085 085	AD136 AD136 AD136 AD136 AD136	2N11848 2N11848 2N11848 2N11848 2N11848	000
258243 258243A 258244 258245 258247	PG	T08 T08 T08 T08 T08	L 12 L 12 L 12 L 12 L 12	30 V 60 V 80 V 80 V 60 V		30 V 30 V	1A 1A 1A 1A 5A	85C 85C 85C 85C 85C	13WC	200K 200K 200K 200K 150K		40/150 40/150 20/60 40/150 40/80	300MA	AMG AHG	08S 08S 08S	AC136 AD136 AD136 AD136 ASZ16	2N11848 2N11848 2N11848 2N11848 2N11848	0
258248 258248A 258249 258250 258250A	PG PG PG	T03 T03 T03 T03	L05 L05 L05 L05	40V 60V 80V 30V 60V	25V 35V 40V 20V 40V	40V	5A 5A 5A 5A 5A	85C 85C 85C 85C 85C	54WC 54WC 54WC	150K 150K 150K 150K 150K		40/80 40/80 40/80 20/60 20/60	2A 2A 2A 2A 2A	AHG AHG	08S 08S 08S	ASZ16 ASZ16 ASZ16 ASZ16 ASZ16	2N1536 2N1536 2N1536 2N1536 2N1536 2N1536	0 0 0 0
258251 258251A 258252 258252A 258253	PG PG	T03 T03 T03 T03 T03	L05 L05 L05 L05	80V	20 v 40 v 50 v 80 v 50 v	1	5 A 5 A 5 A 5 A 5 A	85C 85C 85C 85C 85C	54WC 54WC 54WC	150K 150K 150K 150K 150K		40/150 40/150 20/60 20/60 40/150	2A 2A 2A 2A 2A	AHG AHH AHH	08S 08S 08S	ASZ16 ASZ16 ASZ15 ASZ15 ASZ15	2N1536 2N1536 2N1533 2N1533 2N1533	00000
258253A 258254 258255 258256 258257	PG PG	T03 X03 X03 X03 T01	L05 L05 L05 L05	35 V 35 V	800	10V 10V 10V 12V	5A 600MA 600MA 600MA 5MA	85C 75C 75C 75C 75C	54WC 4WC 4WC 4WC 60MWF		25P	40/150 50/250 30/120 30/250 125TP	200MA	AMG AMG AMG	08S 08S	ASZ15 AD162 AD162 AD162 AC107N	2N1533 2N2835 2N2835 2N2835 2N2835	0000
258258 258259 258260 258261 258262	PG	T036	L13 L13 L13 L02 L02	80V 50V 20V		1V 1V 1V 2V5 2V5	15A 15A 15A 30MA 30MA	75C 75C 75C 85C 85C	60 WC 60 WC 60 WC 65 MWF	700K		38/280 38/280 38/280 45TP 90TP	5A 5A	AHG AHG ALG	08S 08S FUJ	ADZ12 ADZ12 ADZ12 ACZ12 AC125 AC125	2N1100 2N1100 2N1100 2N100 2N406 2N406	0000
258263 258264 258265 258266 258267	PG PG PG PG	T01 T05 T01	L02 L02 L03 L02 L02	25V 40V 25V	{	2V5 6V 12V	150MA 50MA 200MA 150MA	85C 75C 75C 85C 85C	20 CM WF 70M WF 170M WF 150M WF	400K	25P 50P		500UA 100MA 1MA	ALN AMG ALG	08S 08S 08S	AC125 AC107N AC128 AC125 AC128	2N406 2N2706 2N406 2N2706	0000
258268 258269 258271 258272 258273		TOI	L03 L02 L02 L02 L02	25V 25V 25V	20 V	15V 6V 6V 6V	300MA 150MA 200MA 200MA 200MA	85 C 85 C 75 C 75 C 75 C	250MWF 150MWF 600MWF 600MWF	600K		70TP 67TP 80TP 200TP 150TP	1 MA	ALG AMG	08 S 08 S	AC128 AC125 AC128 AC128 AC128	2N2706 2N2706 2N2706 2N2706 2N2706	000
258274 258275 258276 258283 258282	PG PG	T03 T03 T03 T03 T03		120V 120V 60V	105 V	1V5 1V5 1V5 12V 40V	6A 10A 6A	8 5C 8 5C	12 WC	400H	ζ	50TP 40TP 35TP 35/80 15/30	10A 6A	RHH	OBS OBS MAT	ASZ15 AL103 AL103 ASZ16 ASZ15	2N1533 2N2147 2N2147 2N1536 2N1533	0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	T	C OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2SB284 2SB285 2SB290 2SB291 2SB292	PG PG PG PG	103 103 105 105 105	L05 L05 L04 L04 L04	60V 80V 18V 30V 30V	4 E V 60 V 25 V 25 V	2CV 40V 12V 12V 12V	6A 6A 40MA 150MA	850 850 750 750 750	30WC 30WC 65MWF 150MWF 150MWF	120K	15P 60P	20/45 20/65 125TP 100TP 80TP	6A 6A 1MA 1MA 50MA	AHG AHH RLG ALG AMG	MAT OBS OBS	ASZ 15 ASY27 AC125	2N1536 2N1533 2N1305 2N406 2N1176	00000
2SE292A 2SB293 2SB294 2SB295 2SB296	PG PG PG PG	105 101 101 103 103	L04 L02 L02 L05 L05	60V 18V 18V 100V 160V	45V 13V 13V 65V 100V	12V 40V 3V	150MA 250MA 250MA 5A 10A	750 850 850 850 750	150 MWF 150 MWF 150 MWF 40 WC 30 WC	400K 500K 500K 200K 700K	6CP	80TP 70TP 36TP 30/120 25/200	50 MA 15 GMA 1 MA 1 A 1 CA	AMG AMG AMG AHH RHH	OBS FUJ	ACY17 AC128 AC128 ASZ15 AL103	2N1176 2N2706 2N2706 2N2706 2N1533 2N2147	0 0 0 0
258299 258300 258301 258302 258303	PG PG PG PG	TO1 TO3 TO3 TC1 TC1	L02 L05 L05 LC2 LC2	18V 10CV 60V 10V 30V	13v 100v 60v	1V 1V 5V 25V	250MA 10A 10A 2MA 20MA	85C 75C 75C 75C 65C	150MWF 35WC 35WC 40MWF 50MWF	500K	15P	65TP 30/200 30/200 80TP 50TP	150MA 5A 5A 1MA 1MA	AMG RHG RHG RLG ALG		AL103 AL103 DC44N	2N2706 2N2147 2N2147 2N2614 2N406	0 0 0 0
258304 2583044 258306 258309 258310	PG PG PG PG	T05 T05 T05 T03 T03	L04 L04 L04 L05 L05	30V 40V 105V 75V 140V	20 V 30 V	10 V 15 V 50 V 1 V 1 V	500 MA 20 MA 8 A 8 A	75C 75C 75C 85C 85C	225MWF 225MWF 75MWF 43WC 43WC	400K 400K 400K 500K 500K		70TP 70TP 50TP 30/125 30/125	50MA 50MA 2MA 1A	AMG AMG ALH RHG RHG	FUJ FUJ OBS MAT MAT	l .	2N1176 2N1176 2N1176 2N1176 2N2147 2N2147	0 0 0 0
258311 258312 258313 258315 258316	PG PG PG PG	TO3 TC3 TO3 TO1 TC1	L05 L05 L05 L02 L02	180 V 140 V 180 V 16 V 16 V	16V 16V	1 V 1 V 1 V 6 V 6 V	10A 8A 10A 300MA 300MA	850 850 850 850 850	50 hC 40 WC 40 WC 150 MWF 150 MWF	500K 700K 700K 4005 400K		30/125 14/100 14/100 50TP 60TP	1A 8 A 8 A 1 MA 150 MA	RHH RHH RHH AMG AMG	MAT OBS OBS CBS OBS	AL103 AL103 AL103 AC128 AC128	2N2147 2N2147 2N2147 2N2706 2N2706	00000
258317 258318 258319 258320 258321	PG PG PG PG	107 103 103 103 088	L03 L05 L05 L05 OBS	16V 60V 100V 100V 12V	16V 40V 60V 60V	6 V L V 1 V 2 V 1 2 V	300MA 5A 5A 10A 50MA	850 1000 1000 1000 650	250MWF 50WC 50WC 50WC 40MWF	400K 1M 1200K 1M		60 TP 40/200 40/200 40/200 100 TP	150MW 1A 1A 1A 500UA	AMG RHG RHG RHG ALN	08S FUJ FUJ FUJ 08S	AL103	2N2706 2N2147 2N2147 2N2147 2N2147	0 0 0 0
2\$8322 2\$8323 2\$8324 2\$8325 2\$8326	PG PG PG PG	CBS CBS TO1 OBS TO5	C8S G8S L02 G8S LC4	12V 12V 32V 120V 30V	100v	12V 12V 10V 50V 15V	50MA 50MA 500MA 600MA 500MA	650 650 850 850 850	40 MWF 40 MWF 200 MWF 180 CMWF 225 MWF	750K 800K		150TP 100TP 90TP 20/250 65TP	500UA 500UA 300MA 50MA 20MA	ALN ALN AMG AMH AMG	OBS OBS MAT FUJ OBS	AC 107N AC 107N AC 128 ACY 17 ACY 17	2N2706 2N1176 2N1176	00000
258327 258328 258329 258330 258331	PG PG PG PG	TC5 TO1 TO1 TO5 TO36	LC4 LG2 LG2 LC4 L13	30V 15V 15V 110V 40V	25 v	15V 6V 6V 50V 20V	500MA 300MA 300MA 150MA	85C 85C 85C 85C 100C	225MWF 150MWF 150MWF 225MWF 80WC	800K		65TP 80TP 150TP 35TP 20/125	20MA 20MA 20MA 2MA 2MA 5A	AMG AMG AMG ALH AHC	085 085 085 085 HIJ	ACY17 AC128 AC128 ACY17 ADZ12	2N1176 2N2706 2N2706 2N1176 2N1176	0 0 0 0
258331H 258332 258332H 258333 258333H	PG	TC36 TO36 TC36 TC36	L13 L13 L13 L13 L13	40V 60V 60V 80V 80V	25V 45V 45V 55V 55V	40 V 4 C V	154	100C 100C 100C 100C	1	125K 125K 125K		20MN 20/125 20/125 25/70 25/70	5 A 5 A 5 A 5 A	AHG	HIJ		2N1100 2N1100 2N1100 2N1100 2N1100	0000
258334 258334H 258335 258336 258337	P G P G P G P G	TC36 TC36 TO1 TC1 TC3	L13 L13 L02 LC2 LC2	100V 10CV 20V 20V 4CV	65V 65V 12V 30V	60V 10V	15A 15A 60MA 60MA 7A	100C 100C 75C 75C 90C	80 NC 80 WC 83 M WF 83 M WF 12 WC	125K 125K 400K 400K 150K		25/50 25/50 701P 801P 50/165	5A 5A 1MA 60MA	ALG	MAT	AC212 AC125 AC125	2N1100 2N1100 2N406 2N406 2N406 2N1536	0000
2\$3337h 2\$8338 2\$8338H 2\$8339 2\$3339H		T03 T03 T03 T03 T03	L05 L05 L05 L05 L05	40V 60V 60V 30V 80V	30 v 30 v 30 v 35 v 35 v	10v 50V	7A 7A 7A 10A 10A	900 900 900 900 900	12WC	125K		100TP 50MN 50MN 35MN 35MN	14 1500MA 500MA 8A 8A	AHG	LIH LIH LIH	AL103 ASZ16 ASZ16 ASZ16 ASZ16	2N2147 2N1536 2N1536 2N1536 2N1536	00000
258340 258340H 258341 258341H 258342	PG PG	TO3 TC3 TC3 TO3 TO3	L05 LC5 LC5 LG5 L05		40 v 40 v 50 v 50 v 90 v	50v 50v	10A 10A 10A 10A 6A	900 900 900 900 900	12 WC 12 WC 12 WC 12 WC 30 WC			35 MN 35 MN 35 MN 35 MN 25/250	84 84 84 84 54	АНН		ASZ15	2N1533 2N1533 2N1533 2N1533 2N1533 2N2147	00000
2SR343 2SR345 2SR346 2SR347 2SR348	PG	T03 T01 T01 T01 T01	L05 L02 L02 L02 L02	150V 32V 32V 32V 32V	10CV	1 V 1 O V 1 O V 1 O V	6A 100MA 100MA 100MA 100MA	75C 75C 75C 75C 75C	3 GW C 165MhF 165MWF 165MWF 165MWF	800K 200K 200K 200K 200K		25/250 125TP 220TP 125TP 180TP	5 A 2 M A 2 M A 2 M A 2 M A	ALG ALG	MAT MAT MAT	AC125 AC125	2N2147 2N406 2N406 2N406 2N406	0 0 0 0
258349 258350 258351 258352 258353		T01 T01 T036 TC36 T036	LC2 LC2 L13 L13 L13	20V 25V 40V 60V 80V	18V 30V 40V 50V	4 C V	50MA 50MA 15A 15A 15A	75C 75C 90C 90C 90C	50 MWF 150 MWF 70 WC 70 WC 70 WC	150K 150K 150K		150TP 100TP 30/150 30/150 30/150	10MA 30MA 5A 5A	AMG AHG AHG	_	ADZ12	2N406 2N2706 2N1100 2N110C 2N1100	0 0 0 0
258354 258355 258356 258357 258358	PG PG PG PG	TE36 XO3 XO3 XC3 TO3	113 105 105 105 105	10 0V 25 V 80 V 100 V 80 V	40V 60V	60V 12V 12V 12V 1V5	15A 1A 1A 1A 6A	900 850 850 850 850	70WC 15WC 15WC 15WC 50WC	150K		30/150 30/120 25/120 20/120 10/100	54 500MA 500MA 500MA 4A	AHG AHG AHH		ADZ12 AD162 AD162 ASZ15 AL103	2N1100 2N2835 2N2835 2N1533 2N2147	0 0 0
258359 258360 258361 258362 258364	PG PG PG	T03 T03 T03 T03 TC1	L05 L05 L05 LC5 LC2	180A 80A	90V 120V 80V 40V 20V	1V5 1V 1 V	6A 6A 5A 7A 400MA	85C 85C 90C 90C 75C	50 WC 50 WC 12 WC 12 WC 150 MWF	500K 500K 500K 500K	70P		4A 4A 1A 4500MA 100MA	RHG RHG	CBS HIJ HIJ	AL103 AL103 AL103 AL103 AC128	2N2147 2N2147 2N2147 2N2147 2N2147 2N2706	0 0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	1	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
258365 258367 258368 258370 258370A	PG PG PG PG	X03 X03 TO1	LC2 LC5 LC5 LC2 LC2	25 y 45 v 25 v	20 V 18 V 24 V	12V 12V 6V	400 MA 14 14 500 MA 500 MA	85C 85C 85C	150MWF 4WC 4WC 200MWF		70P	90TP 100TP 85TP 70MN 70MN	1 GO MA 200 MA 200 MA 150 MA 150 MA	AHG AHG	OBS	AD162 AD162 AC128	2N2706 2N2835 2N2835 2N2706 2N2706	0 0 0 0
2SB370AH 2SB371 2SB372 2SB373 2SB374	PG PG PG PG	TO1 TO5 TO5	LC2 LC2 LC4 LC4	32V 25V 25V	24V 18V 18V 45V	10V 10V 10V	50CMA 200MA 1A 1A	75C 85C 85C	200MWF 165MWF 1500MWF 1500MWF	800K		70MN 125TP 70TP 150TP 150TP	15MA 50MA 200MA 200MA 200MA	AMG AMG AMG AMG	MAT OBS OBS	AC128 ACY17 ACY17	2N2706 2N2706 2N1176 2N1176 2N1176	0 0 0 0
258375 258376 258377 258378 258379	PG PG PG PG	TO1 TO5 TO5	LC5 LO2 LC4 LO4 LC4	20V 32V 18V	120V 16V 16V	1V 6V	9 A 300MA 150MA 150MA 150MA	75C 85C 65C	30WC 225MWF 270MWF 180MWF 180MWF	400K 1200K 1M		25/250 50TP 134TP 42TP 84TP	8A 300MA 500UA 20MA 20MA	RHH AMG ALG ALG AMG	MAT SOY SOY	AC128 ACY17 ACY17	2N2147 2N2706 2N1176 2N1176 2N1176 2N1176	0 0 0
258380 258381 258382 258383 258386	PG PG PG PG	T05 T05 T05	L04 L04 LC4 L04 LC2	32V 32V 32V	16 V 30 V 30 V 30 V 24 V	150	150MA 300MA 300MA 500MA 300MA	85C	18CMWF 270MWF 270MWF 270MWF 150MWF	600K 700K 1200K		1691P 421P 841P 841P 801P	20MA 20MA 20MA 20MA 50MA	AMG AMG AMG AMG	SOY SOY	ACYL7 ACYL7 ACYL7	2N1176 2N1176 2N1176 2N1176 2N1176 2N2706	0 0 0 0
258389 258390 258391 258392 258393	PG PG PG PG	TO1 TO3 TO3 TO5 TO5	L02 L05 L05 L04 L04	12V 80V 50V 20V 28V	60 V 40 V 20 V 20 V	0V5 1V 1V 13V 13V	10MA 6A 6A 200MA 200MA	85 C 75 C 75 C 85 C 85 C	80MWF 30WC 30WC 150MWF 150MWF	3M 500K 500K		100TP 25/250 25/350 100TP 44TP	100UA 5A 3A 20MA 20MA	ALN RHG RHG AMG AMG	08S 08S 08S	AL103 AL103 ACY17	2N2147 2N2147 2N1176 2N1176	0 0 0 0
258394 258395 258396 258400 258401	PG PG PG PG	T05 T05 T05 T01 T05	L04 L04 L04 L02 L04	28V 28V 40V 20V 40V	20V 20V 40V 32V	13V 13V 13V	200MA 200MA 200MA 40MA 300MA	85C 85C 85C 85C 85C	150MWF 150MWF 150MWF 100MWF 240MWF	400K 150K		90TP 160TP 68TP 100TP 60TP	20MA 20MA 20MA 1MA 300MA	AHG AHG AMG ALG AMG	OBS OBS SAN	ACY17 ACY17	2N1176 2N1176 2N1176 2N406 2N1176	0 0 0 0
2 S B 4 C 2 2 S B 4 C 3 2 S B 4 C 5 2 S B 4 C 7 2 S B 4 D 0	PG PG PG PG	T05 T05 T01 T03 T03	L04 L04 L02 L05 L05	60 V 40 V 25 V 30 V 135 V	60V 32V 25V 30V 100V	10V 20V 6V 10V 5V	300MA 300MA 1A 7A 15A	85C 85C 85C 85C 85C	240MWF 240MWF 720MWH 30WC 40WC			60TP 50TP 100TP 80MN 60MN	300MA 300MA 200MA 1A 1A	AMH AMG AMG AHG RHH	MAT SAN	ACY17 AC128 ASZ16	2N1176 2N1176 2N2706 2N1533 2N2147	0 0 0 0
258411 258413 258414 258415 258416	PG PG PG PG	T03 X03 X03 T01 T05	L05 L05 L05 L02 L04	200V 60V 32V 32V 25V	140 V 45 V 32 V 24 V 25 V	5 V 1 V 1 V 6 V 1 3 V	11A 1500MA 1500MA 1A 120MA	85C 85C 85C 85C 85C	40WC 13WC 13WC 200MWF 150MWF	1 M 1 M 1 M 400 K		60TP 33/130 33/130 70TP 70TP	1A 500MA 500MA 300MA 1MA	RHH AHG AHG AMG AL G	SAN OBS OBS TOS OBS	A0162	2N2147 2N2835 2N2835 2N2706 2N406	0 0 0 0
258417 258418 258426 258426/B 258426/Y		T05 T05 T03 T03 TC3	L04 L04 L05 L05 L05	45V 70V 32V 32V 32V	45V 70V	13V 13V 12V 12V 12V	120MA 120MA 7A 7A 7A		150MWF 150MWF 30WC 30WC 30WC	180K 180K 180K		70TP 70TP 30/200 85/200 50/100	1MA 1MA 1A 1A	AHG	TOS TCS	AC125 OC77N ASZ16 ASZ16 ASZ16	2N406 2N11768 2N1536 2N1536 2N1536	00000
2SB426/R 2SB427 2SB428 2SB430 2SB431	PG PG PG PG	103 105 105 1036 101	L05 L04 L04 L13 L02	32V 45V 45V 70V 32V	30 v	1 2 V 1 5 V 1 5 V 1 V 1 2 V	7A 500MA 500MA 20A 500MA	85C 75C 75C 85C 85C	30kC 225MWF 225MWF 80WC 200MWF	400K 400K 100K		30/60 60TP 90TP 10MN 80TP	1A 1 GOMA 1 GOMA 2 OA 1 MA	AHG AMG AMG AHG AMG	FUJ FUJ MAT	ASZ 16 ACY17 ACY17 ADZ12 AC128	2N1536 2N1176 2N1176 2N1100 2N2706	00000
2SE432 2SB433 2SE434 2SB434/0 2SB434/R	PG PG PS PS	T03 T036 T0P66 T0P66 T0P66	L32	15CV 70V 60V 60V 60V	100V 60V 50V 50V 50V	2V 40V 5V 5V		85C 85C 150C 150C 150C	50 WC 56 WC 25 WC 25 WC 25 WC	1200K 1M 1M 1M		40/170 30/120 40/240 70/140 40/80	1A 5A 50GMA 500MA 500MA	AHH	FUJ TOS TOS	AL 100 ADZ12 BD590 BD590 BD590	2N2147 2N1100 2N6126 2N6126 2N6126	00000
2SB434/Y 2SB435 2SB435/R 2SB435/O 2SB435/Y	PS PS	TOP66 TOP66 TOP66 TOP66 TOP66	L32 L32 L32	60V 45V 45V 45V 45V	50 V 35 V 35 V 35 V 35 V	5 V 5 V 5 V 5 V	3A 3A	150C 150C 150C 150C 150C	25WC 25WC 25WC 25WC 25WC	1M 1M 1M 1M		120MN 40/240 40/80 70/140 120MN	500MA 500MA 500MA 500MA 500MA	AHG AHG AHG AHG AHG	TOS TOS TOS	B0590 BD590 BD590 BD590 BD590	2N6126 2N6126 2N6126 2N6126 2N6126	00000
258449 258443A 258443B 258444A	PG PG	T01 T01 T01 T01 T01	L C 2 L C 2 L C 2 L C 2	30 V 30 V 18 V 18 V 18 V	120	12 V 12 V 12 V 12 V 12 V	150MA 150MA 10MA 10MA 10MA	75C 75C 85C 85C 85C	150MWF 150MWF 100MWF 100MWF 100MWF	800K 1 M		70/270 70/270 110TP 190TP 120TP	1 M A 1 M A 1 M A 1 M A 1 M A		TOS HIJ HIJ	4C107N AC107N AC107N AC107N AC107N		0 0 0 0
2SE444B 2SE445 2SB446 2SB447 2SB448	PG PG	T01 X03 X03 T03 X03	LC2 LO5 LO5 LO5 LO5	18V 40V 60V 220V 32V	12 V 32 V 40 V		1 C M A 1500 M A 1500 M A 6 A 1 A	85C 85C 85C 85C 85C	100MWF 10WC 10WC 45WG 13WC	1 M 750K 750K 700K 300K		200TP 40/200 40/200 15/50 30/110	1 A 1 A	AHG	FUJ FUJ	AC 107N AD162 AD162 AU106 AD162	2N2835 2N2835 2N2835	0 0 0 0
2SB449 2SB450 2SB450A 2SB451 2SB452	PG PG PG	T03 T01 T01 T05 T05	L05 L02 L02 L04 L04	50V 25V 32V 25V 25V	32V 25V 32V 18V 25V	20V 6V 6V	3500MA 500MA 500MA 1A	100C 75C 75C 85C 85C	22WC 200MWF 200MWF 300MWF 300MWF	200K 400K 400K		20/85 120TP 120TP 80TP 150TP	3A 150MA 150MA 150MA 150MA	AHG AMG AMG AMG AMG	08S 08S	ASZ16 AC128 AC128 ACY17 ACY17	2N1536 2N2706 2N2706 2N1176 2N1176	0 0 0 0
2SB452A 2SB453 2SB454 2SB455 2SB457	PG PG PG	T05 T05 T05 T05 T01	LC4 L04 L04 L04 L02	32V 25V 25V 25V 25V 20V	25V 25V 25V 25V 15V	6V 6V 6V 6V 2V5	14 14 14 14 500ma	85C 85C 85C 85C	30 CM WF 25 OM WF 25 CM WF 25 OM WF 15 OM WF	700K 700K 700K		150TP 120TP 120TP 120TP 110TP	100MA	AMG AMG AMG	085 085 085	ACY17	2N1176 2N1176 2N1176 2N1176 2N1176 2N2706	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	I C MAX	T J MAX	P TOT		DB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
258457A 258458 258458A 258458B 258459	PG PG PG PG	T01 X03 X03 X03 T01	L02 L05 L05 L05 L02	32V 25V 45V 100V 30V	24V 18V 32V 60V 18V	6V 12V 12V 12V 2V5	500MA 1 A 1 A 1 A 50MA	85C 85C 85C 85C 85C	150MWF 800MWF 800MWF 800MWF	300K		110TP 28/210 28/210 28/210 180TP	150MA 500MA 500MA 500MA 1MA	AMG AHG AHG AHG ALG	M1T OBS OBS OBS	AD162 AD162 AD162	2N2706 2N2835 2N2835 2N2835 2N406	0 0 0 0
2SB460 2SB461 2SB463 2SB463/R 2SB463/Y	PG PG PG PG	T01 T05 T066 T066 T066	L02 L04 L43 L43 L43	40 V 3 5 V 3 2 V 3 2 V 3 2 V	25V 24V	2V 5 12V 12V 12V 12V	50MA 400MA 2A 2A 2A	85C 75C 85C 85C 85C	120MWF 300MWF 6WC 6WC	500K 400K 400K 400K		180TP 80TP 30/250 30/60 50/100	1 MA 400 MA 500 MA 500 MA 500 MA	ALG AMG AHG AHG	HIJ TOS TOS TOS	AC Y17 AD162 AD162	2N406 2N1176 2N2835 2N2835 2N2835	0 0 0
258463/8 258464 258465 258466 258467	PG PG PG PG	T03 X03	L43 L05 L05 L02 L05	32V 100V 60V 40V 60V	60V 40V 30V 40V	12V 1V 1V 12V 12V	2A 6A 6A 500MA 500MA	85C 85C 85C 85C 85C	6WC 30WC 30WC 12WC 12WC	700K		85/250 30/170 30/170 25/150 25/150	500MA 1A 1A 500MA 500MA	AHG RHG RHG AHG		AL103 AL103 AD162	2N2835 2N2147 2N2147 2N2835 2N2835	0 0 0
2S8468 2S8468A 2S8470 2S8471 2S8471A	PG PG PG PG	T03 T03 T01 T03 T03	L05 L05 L02 L05	200V 270V 25V 60V 60V	90V 90V 18V 45V 45V	1V5 1V5 2V5 10V 10V	10A 10A 50MA 10A 10A	85C 85C 85C 85C 85C	32WC 32WC 80MWF 40WC 40WC			14/130 14/130 160TP 50/165 50TP	4A 4A 1MA 1A	RHH RHH ALG AHG	HIJ FUJ	AU106 AC125 ASZ16	2N406 2N1 536 2N1 536	0 0 0
2584718 258472 258472A 2584728 258473	PG PG PG PG	T03 T03 T03	L05 L05 L05 L05	60V 60V 80V 80V 32V	45V 45V 50V 50V	10V 10V 10V 10V 6V	10A 10A 10A 10A 1A	85C 85C 85C 85C 85C	40WC 40WC 40WC 40WC 4WH	120K 120K 120K 120K		80TP 50/165 50TP 80TP 40/180	1A 1A 1A 1A 500MA	AHG AHH AHH AHG	HIJ OBS OBS	ASZ 16 ASZ 15 ASZ 15	2N1536 2N1536 2N1533 2N1533 2N2835	0 0 0
258474 258475 258476 258477 258478	PG PG PG PG	T01 T039 T036	L05 L02 L04 L13 L13	35V 20V 20V 30V 60V	24V 10V 10V 15V 30V	6V 6V 6V 15V 30V	2A 300MA 2A 30A 30A	85C 75C 85C 85C 85C	12WC 150MWF 250MWF 80WC 80WC	200K		50/275 75TP 75TP 20/130 20/130	2 GOMA 5 OMA 2 A 15 A	AHG AMG AHG AHG	MAT MAT OBS	AC128 ACY17 ADZ12	2N1536 2N2706 2N1176 2N1100 2N1100	0 0 0
258479 258480 258481 258482 258486	PG PG PG PG	T036 X03 T01	L13 L13 L05 L02 L02	80V 100V 32V 25V 25V	40 V 80 V 20 V 20 V		30A 30A 1A 50MA 50MA	85C 85C 85C 85C 85C	80WC 80WC 6WC 120MWF 120MWF	200K 3 M	12P 12P		15A 15A 1A 1MA 1MA	AHG AHG AHG RLG RLG	OBS MAT TOS	ADZ12 AD162 OC 44 N	2N1100 2N1100 2N2835 2N2614 2N2614	00000
258487 258488 258492 258493 258494	PG PG PG PG	0BS 1039 108	08S 08S L04 L12 L02	30V 60V 25V 40V 25V	20V 30 V 18V 20V 18V	2V5 12V 6V 10V 6V	500MA 500MA 2A 5A	85C 85C 85C 85C 85C	5WC 5WC 6WC 9WC 200MWF	500K 350K 300K		30/150 30/150 110TP 40MN 38MN	300MA 300MA 200MA 3A 150MA	AHG AHG AMG AHG AMG	FUJ SAN MAT	AD162 ACY17 AD136	2N2835 2N2835 2N1176 2N11848 2N2706	0 0 0
258495 258495A 258496 258497 258504	PG		L02 L02 L02 08S L05	32V 25V 20V	18V 25V 18V 15V 60V	6V 2V5 2V5	1A 1A 250MA 30MA 3A	8 5C 8 5 C	200MWF 200MWF 600MWH 65MWF	400K 800K 1200K		110TP 110TP 60MN 90TP 40/300	150MA 150MA 50MA 1MA 500MA	AMG AMG ALN	MIT HIJ FUJ		2N2706 2N2706 2N2706 2N2706	0 0 0 0
2S8505 2S8506 2S8507 2S8508 2S8511	PS PS PS PS	T03 T0P66 T0P66	L 32	60V 60V	60V 100V 60V 60V 35V	7V 5V 5 V	7500MA	150C 150C	1 WF 6 0 W C 3 0 W C 3 0 W C	4 M 4 M		40/300 35/200 40/320 40/320 40/320	500MA 1A 1A 1A	RHH AHH AHH	NIP SAN SAN	AL103 BD590	2N2197 2N1100 2N6126 2N6126 2N6126	0 0 0 0
258514 25C11 25C12 25C13 25C14	PS NG NS NG	T01 T05 T05	L32 L04 L04 L04 L04	60V 18V	50V	5V 12V 8V 12V 12V	2A 24MA 250MA 40MA 40MA	75C 150C	20W0 55MWF 700MWF 65MWF	2 M 8 M 3 M	15P 15P 15P	20TP 50TP	200MA 24MA	RLG AMG ALS	08S 08S	BD590 ASY29 BFY50 ASY29 ASY29	2N6126 2N1304 2N2297 2N1304 2N1304	0 0 0 0
2SC15 2SC15/0 2SC15/1 2SC15/2 2SC15/3	NS NS NS NS	T05 T05 T05	L04 L04 L04 L04	30V 60V 90V	20V 20V 30V 45V 60V	5 V 5 V 5 V	50MA 50MA 50MA	175C 175C 175C 175C 175C	1 WF 1 WF 1 WF 1 WF	80M 80M 80M	4P 4P 4P 4P	60MN 60MN 60MN	10MA 10MA 10MA 10MA	RLG RLG	0 B S 0 B S	BSW24 BSW24	2N2219/ 2N2219/ 2N2219/ 2N2219/ 2N2219/	0 A O A
25C16 25C16A 25C17 25C17A 25C18	NS NS NS NS	T018 T018 T018	L01 L01 L01 L01	25 V 20 V 25 V	20 V 20 V 20 V 20 V 20 V	5 V 5 V 5 V	30MA 50MA 50MA	175C 175C 175C 175C 175C	250MWF 250MWF 250MWF 250MWF 250MWF	1 COM 80 M 80 M	7 P	30TP 30TP 30TP	10MA	AL G	085 085 085	BC107 BC107	A157 A157 A157 A157 A157	0 0 0
2SC19 2SC20 2SC21 2SC22 2SC23	NS NS NS	T05 T03 T08	L04 L04 L05 L12 L12	40V 60V 75V	60V 50V 50V	5٧	400MA 400MA 2A 500MA 500MA	150C 150C 165C	600MWF 600MWF 63W 13WC	10M	50P 50P	1	150MA 150MA 1A 150MA	AHG VHG		BDY20	2N 22 97 2N 22 97 2N 30 55 2N 27 8 2 2N 27 8 2	0 0 0
2SC24 2SC27 2SC28 2SC29 2SC30	NS NS NS	T05 T05 T05	L12 L04 L04 L04 L04	60V 100V 40V	70V 45V 30V	5٧	25MA		13W0 500MWF 600MWF 115MWF 500MWF	60M 40M 40M	8 P 20 P 8 P 8 P	20MN 30TP	15 OMA 10 MA 1 MA 1 OMA	ALG AMH ALG	FUJ FUJ	BFY50 BSW66 BFY50 BSW54	2N2782 2N2297 2N1893 2N2297 2N2219	0
2SC31 2SC32 2SC32A 2SC33 2SC34		105	L04 L04 L04 L04 L03	60V 60V 45V		5V 5V	200MA 200MA 200MA 50MA 250MA	165C 175C 165C	750MWF 750MWF 750MWF 150MWF	125M 100M 125M		60TP 60TP	10MA 10MA 5MA	AMG AMG RL G	NIP OBS NIP	BFY50 BFY50 BFY50 BSW54 AC176	2N2297 2N2297 2N2297 2N2297 2N2219/ 2N2430	0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2\$C35 2\$C36 2\$C37 2\$C38 2\$C39	NG NG NS NS	X01 X01 T05 T05 T018	L 03 L 03 L 04 L 04 L 04 L 01	20V 20V 40V 40V 25V	25V 25V 15V	20V 20V 3V 3V 3V	250MA 250MA 200MA 200MA 50MA	75 C 75 C 175 C 175 C 175 C	140MWF 140MWF 200MWF 750MWF 250MWF	500K 9M 125M 125M 200 M	8P 8P 4P	65TP 100TP 50TP 50TP 50TP	200MA 200MA 10MA 10MA	AMG AMG RMG RMG ALG	MAT OBS OBS	AC176 AC176 BSW54 BSW54 BC107	2N2430 2N2430 2N2219A 2N2219A A157	
2SC39A 2SC40 2SC41 2SC42 2SC42A	NS NS NS NS	T018 T018 T03 T03	LC1 LO1 LO5 LO5 LO5	25 V 25 V 150 V 150 V 200 V	15V 15V	3 V 3 V 6 V 6 V	50MA 50MA 5A 5A 5A	150C 150C 150C 150C 150C	250MWF 250MWF 50WC 50WC 50WC	200M 300M 10M 10M 10M	4P 4P	120TP 50TP 12/92 4/185 12/128	3MA 1MA 1A 1A	ALG RLG AHH AHH AHH	FUJ OBS OBS	BC107 BSW64 BU123 BU123 BDY25	A157 2N2222A	0 0 0 0
25C43 25C44 25C45 25C46 25C47	NS NS NS NS	T03 T03 T039 T05 T05	LC5 LO5 LO4 LO4 LO4	100V 50V 45V 60V 40V	20V 40V 25V	6 V 6 V 5 V 5 V	5 A 5 A 1 0 0 M A 3 0 0 M A 3 0 0 M A	150C 150C 150C 165C 175C	50WC 50WC 500MWF 600MWF 720MWF	10M 10M 80 M 90 M	8P 25P 30P	4/185 4/185 25MN 50TP 50TP	1A 1A 10MA 1MA 1MA	AHH AHG AMG AMG AMG	1	8D Y23 BDY23 BFY50 BFY50 BFY50	2N3445 2N3445 2N2297 2N2297 2N2297	0 0 0 0
2SC48 2SC49 2SC50 2SC51 2SC52	NS NG NS	T05 X01 OBS	L04 L04 L03 0BS L04	120V 120V 20V 60V 40V	80V 70V 40V	5V 6V 20V 5V 5V	300MA 300MA 200MA 300MA 100MA	150C 175C 75C 155C 150C	600MWF 800MWF 100MWF 1WF	90 M 80 M 5 M 90 M 175 M	25 P 20 P 8 P	50TP 70TP 30MN 50TP 50TP	1 MA 150 MA 4 MA 1 MA 1 MA	AMH AMH AMG AMG RLG	NIP OBS FUJ	BFY50	2N1893 2N1893 2N2430 2N2297 2N22194	0 0 0
2SC53 2SC54 2SC55 2SC56 2SC57	NS NS NS NS	T05 T018 T018 CBS T08	L04 L01 LC1 OBS L12	25V 40V 25V 20V 75V	25V 35V 25V	3V 5V 3 V 3 V 4 V	100MA 100MA 100MA 25MA 500MA	150C 155C 175C 130C 175C	600MWF 300MWF 360MWF 200MWF 11WC	150 M 175 M 150 M 90 M 55 M	8F 8P 8P 5P	50TP 50TP 50TP 80TP 10/30	1MA 1MA 1MA 2MA 150MA	RLG RLG ALG	FUJ FUJ	BSW64 BSW64 BC182L	2N2219A 2N2222A 2N2222A 2N3710 2N2782	0
2SC58A 2SC59 2SC6C 2SC61 2SC62	NS NS NG NS	TC1 OBS	LC4 LC2 OBS LC1	135V 120V 20V 30V 40V	120V 60V 12V 20V 15V	5V 6V 10V 5V 5V	50MA 300MA 20MA 300MA 50MA	145C 175C 85C 185C 200C	75CMWF 800MWF 50MWF 1200MWF 360MWF	125M 75M 4M 90M 300M	6P 20P 25P	65TP 35TP 50TP 50MN 60TP	1 CMA 15 CMA 1 MA 1 MA 1 OMA	AMH RLG AMG	NIP OBS FUJ	BSW66 ASY29 BFY50	2N1990 2N1893 2N1304 2N2297 2N22224	0 0 0 0
2SC64 2SC65 2SC66 2SC67 2SC68	NS NS NS	T05 T05 T018	LC4 LC4 LC1 LC1	130V	50V 90V 70V 30V 15V	3V 3V 3V 5V 5V	50MA 50MA 50MA 200MA 200MA	200C 175C	600MWF 600MWF 600MWF 360MWF 360MWF	20M 30M	10F 10P 10P 7P 7P	50TP 20TP 70TP 80TP 100TP	5 M A 5 M A 5 M A 10 M A	ALH RMC	SAN OBS NIP	BFY65 BFY65 BSW64	2N2297 2N1990 2N1990 2N2222 2N2222	
25C69 25C70 25C71 25C72 25C73	NS NS NG NG	T039 T05 T05	L C 4 L O 4 L O 4 L O 3	180V 15V 15V	60 v 15 v 12 v 12 v	127	300MA 20MA 200MA 200MA 5MA	1 45C 85C 85C	800MWF 800MWF 150MWF 150MWF 30MWF	80M 70M 8M	20P 4P 4F	50TP 45TP 100TP 100TP 41TP	15 C M A 2 M A 100 M A 100 M A 1 M A	RMC	085 085 085	BFY65 ASY29	2N1893 2N1990 2N1304 2N1304 A157	0 0 0
25C74 25C75 25C76 25C77 25C78	NS NO NO NO	X01	LC4 LC3 LC3 LC3	15V 15V 15V	20 V 12 V 12 V 12 V		100MA 5MA 5MA 5MA	75C 75C 75C	600MWF 30MWF 30MWF 30MWF 30MWF	4 M 4 N	4 P 4 P 4 P	24TP 24TP	1 M A	RLO	08 9 08 9 08 9	BFY50 BC107 BC107 BC107 BC107 BC107	2N2297 A157 A157 A157 A157	0 0 0
25C79 25C80 25C81 25C82 25C83	NS NS NS	1072 085 085	LC1 LO6 085 085	30V 50V 100V		3V 10V 10V	8 CM A	150C 150C	300MWF 200MWF 125W0 125W0 125W0	100 M	7 P	1	1 M A 5 M A 1 A	AHA A	G NI I	BFX73 BDY20 BDX51	2N2222 2N918 2N3055 2N4348 2N4348	0 0
2SC84 2SC85 2SC86 2SC87 2SC88	NI NI NI	T01 T01 T05	L02	15V 15V 30V		12V 12V 3V	200 MA 200 MA 200 MA 100 MA 100 MA	85C 85C 175C	100MWF 100MWF 100MWF 600MWF 600MWF	9 N 4 N 125 M	20 F 20 F 1 8 P	30TP 60TP 50TP	20 M/ 200 M/ 200 M/ 10 M/ 10 M/	A RM	S 08 S 08 G FU	S ASY29 S ASY29 J B SW54	2N1304 2N1304 2N1304 2N1304 2N2219 2N1893	0
2SC89 2SC89H 2SC90 2SC90H 2SC91	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	T05 T05 T05	L04	25V 25V 25V	15 15 15	20V 20V 20V	400MA 400MA 400MA 400MA 400MA	85C 85C 85C	120MWF 120MWF 120MWF 120MWF 120MWF	= 11 F 24 = 24	40 F 40 F 40 F	20MN 20MN 20MN	20 M 2 CM 2 CCM 20 CM 20 CM	A RM A RM A RM	S HI	J ASY29 J ASY29 J ASY29	2N1304 2N1304 2N1304 2N1304 2N1304	
2SC91H 2SC92 2SC93 2SC94 2SC95	2 2 7 2 2	S TO8 S TO8 S TO8	L0- L1 L1 L1- L0-	2 100V 2 80V 2 100V	50 45 50	V 5V V 5V V 5V	400M/ 2/ 2/ 100M/	175C 175C 175C	120MW 20W 20W 20W 800MW	C 1001 C 1001 C 1001	1 1	10/100 10/35 10/35	20 CM 35 CM 35 CM 35 CM 10 M	A VH	G NI G NI G NI	P P	2N1304 2N2782 2N2782 2N2782 2N1893	2 0
2SC97 2SC97A 2SC98 2SC99 2SC100	27727	S T039 S T016 S T016	3   LC	4 80 V 1 20 V 1 20 V	45 1 15 1 15	V 5V V 5V V 5V	100M 100M 100M 200M	A 175C A 165C A 165C	300MW 300MW	F 175 F 175 F 175	ч м	40 MN 45 TP 80 TP	15 CM 5 C CM 1 O M 1 O M 1 C M	A RM	G MA	P BSW54 T BSW64 T BSW64	2N2219 2N2222 2N2222	9A (
2SC101A 2SC103 2SC103A 2SC104 2SC104A	N	S T016 S T016 S T016 S T016 S T016	B LO B LO	1 25\ 1 30\ 1 25\	20 20 20 20	V 5V V 5V V 5V	80M 50M	A 175C A 175C A 175C	250MW 250MW 250MW	F 200 F 125 F 125	M 7 N 7 N 7	P 80TP P 32TP	10 M 10 M 10 M	A AL	.G 08 .G 08 .G 08	S BC 107	A157 A157 A157 A157	
25C105 25C106 25C107 25C108 25C109	1	S TO1 S TO8 S TO8 S TO5 IS TO5	8 LO L1 L1	2 60° 2 60° 4 90°	V 40 V 40 V 45	V 5V V 5V	1500M 1500M 600M	A 1750 A 1750 A 1750 A 1750 A 1750	15W 15W 600MW	C 50 IC 50 IF 100	М	8/20 8/30 P 20MN	200M 200M 150M	IA VI		es	2N278 2N278 2N229	2

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2SC112 2SC113 2SC116 2SC116T 2SC117	NS NS NS NS	T05 T05 T05 T039 T08	L04 L04 L04 LC4 L12	40V 50V 50V 75V 75V	20 V 25 V 50 V 50 V	5V 5V 5V 5V	200MA 200MA 200MA 200MA 600MA	175C 175C 175C 175C 175C	750MWF 750MWF 750MWF 750MWF 2WF	80M 35M 60M	14P 14P 40P 30P 60P	35 MN 35 MN 4 TP 8 MN 10 TP	200MA 200MA 10MA 200MA 30MA	AHG AHG AMG AMH VHG	OBS Hlj Hlj	BFY50 BFY50 BFY50 BSW66	2N2297 2N2297 2N2297 2N1893 2N2782	0000
2SC118 2SC119 2SC120 2SC121 2SC122	NS NS NS NS	T08 T039 T039	L12 L12 L04 L04 L04	80V 75V 40V 40V	50 V 50 V 25 V 25 V	5 V 5 V 1 V 1 V	600MA 600MA 25MA 25MA 25MA	175C 175C 175C 175C 175C	2WF 2WF 250MWF 250MWF 250MWF	35 M 35 M 100 M 100 M	60P 60P 8P 8P 8P	10TP 10TP 40TP 40TP 90TP	30MA 30MA 50UA 1MA 1MA	VHG VHG ALN ALG ALG	0 B S 0 B S 0 B S	BC109 BC107 BC107	2N2782 2N2782 A159 A157 A157	0 0 0 0
2SC123 2SC124 2SC127 2SC128 2SC129	NS NS NS NG	T039 T039 T05	L04 L04 L04 L04 L04	40 V 40 V 20 V 30 V 25 V	25 V 25 V 25 V 25 V 20 V	1 V 1 V 1 V 2 O V 2 O V	25 MA 25 MA 25 MA 100 MA	175C 175C 175C 75C 75C	250MWF 250MWF 250MWF 125MWF 125MWF	100M 100M 100M 3M 4 M	8P 8P 8P 35P	140TP 40TP 150TP 30TP 45TP	1 MA 50UA 1 MA 100 MA 1 COMA	ALH ALG RMS	OBS OBS MAT		A157 A159 A157 2N1304 2N1304	0 0 0
2SC130 2SC131 2SC132 2SC133 2SC134	NS NS NS NS	T018 T018	L12 L01 L01 L01 L01	60 V 40 V 20 V 20 V 40 V	50V 24V 15V 15V 24V	5 V 5 V 5 V 5 V	400MA 300MA 300MA 300MA 300MA	175C 175C 175C 175C 175C	1800MWF 350MWF 350MWF 350MWF 350MWF	90M 175M 175M 175M 175M	8P 8P 8P	20/150 60TP 60TP 60TP 60TP	2 CM A 10 M A 10 M A 10 M A 10 M A	RMG RMG	FUJ FUJ	BSW64 BSW64	2N2782 2N22224 2N22224 2N22224 2N22224	0
2SC135 2SC136 2SC137 2SC138 2SC138A	NS NS NS NS	T018 T018 T012	L01 L01 L09 L09	20V 80V 25V 60V 60V	15V 45V 15V 30V 35V	5V 5V 5V 5V	300MA 300MA 300MA 500MA 500MA	1750 1750 1750 1750 1750	350 MWF 350 MWF 350 MWF 800 MWF 800 MWF	175M 175M 175M 200M 200M	8 P	60TP 60TP 50TP 50TP 50TP	10 MA 10 MA 10 MA 30 MA 30 MA	R MG R MG R M G	FUJ FUJ NIP	BSW64 BSW64 BSW54	2N22224 2N22224 2N22224 2N22194 2N22194	0 0
2SC139 2SC140 2SC147 2SC149 2SC150	NS NS NS	T05 T05 T039	L05 L04 L04 L04 L04	60V 60V 30V 120V 20V	30V	5V 5V 5V 6V 5V	500MA 1A 1A 300MA 100MA	175C 175C 175C 175C 175C	800MWF 1700MWF 1700MWF 800MWF 750MWF	408 406 MO8	25 P 25 P	30 TP 24 TP 50 TP	30 MA 50 MA 50 MA 150 MA	AHG AHG AMH	OBS OBS NIP	BFY50 BFY50 BSW66	2N2219A 2N2297 2N2297 2N1893 2N2297	0 0 0 0
25C150H 25C15CT 25C151 25C151H 25C152	NS NS NS	T05 T05 T039	L04 LC4 LC4 LC4 LO4	20V 50V 40V 40V 60V	25V	5V 5V 5V 5V	100MA 100MA 100MA 100MA	175C 175C 175C	750MWF 750MWF 750MWF 750MWF	75 N 60 M	129	50TP 50TP 20MN	10 M A 1 G M A 1 G M A 1 G M A	AMG AMG RMS	HIJ HIJ	BFY50 BFY50 BSW54	2N2219/ 2N2297 2N2297 2N2219/ 2N2219/	0 0 0
2SC152H 2SC154 2SC154H 2SC166 2SC167	NS NS NS	T05 T05 T01	L04 L04 L04 L02 L02	120V 120V	70V 70V 20V 20V	5 ۷	100MA 100MA 100MA 100MA	175C 175C 150C	750MWF 750MWF 750MWF 200MWF 200MWF	120M 80M 10M	60P	11TP 35MN 105TP	10MA 10MA 10MA 3MA	ALF	HIJ HIJ OBS	BFY65 BFY65 BC107	2N2219/ 2N1990 2N1990 A157 A157	0 0 0 0
2 SC1 70 2 SC1 71 2 SC1 72 2 SC1 72A 2 SC1 73	NS NS NS	T018	L C 1 L C 1 L C 1 L C 1	25 V 40 V	20 V 20 V 20 V 20 V	3 V 5 V	1	175C 175C 200C	11 CMWF 200MWF 300MWF 36 0MWF 30MWF	120M 175M 175M	8 P 9 P 1 2 P	60TP 60TP 60TP	10 MA	ALC ALC RLC	FUJ FUJ FU	BC107 BC107 BC107 BSW64 ASY29	A157 A157 A157 2N2222 2N1304	0 0 0 0
2\$C174 2\$C174A 2\$C175 2\$C176 2\$C177	NS NS NO NO	T072 X01 X01	L06 L03 L03 L03	60V 15V 15V		5V 5V	25MA 25MA 5MA 5MA	175C 75C 75C	200MWF 200MWF 30MWF 30MWF	100 M	3P 4P 4P	45TP 24TP 24TP	2 M A 2 M A 1 M A 1 M A	VLA RLC	089	8F X 73	2N918 2N918 2N1304 2N1304 2N1304	0 0 0 0
2SC178 2SC179 2SC180 2SC181 2SC182	NO NO NO	T01 T01 T01	L03 L02 L02 L02	25V 25V 25V		20V 20V 20V 20V	6MA 200MA 400MA 400MA 100MA	85C 85C 85C	30 MWF 120 MWF 120 MWF 120 MWF 125 MWF	1 M 2 M	40F 40F 40F	20MN 20MN	1 M A 20 M A 200 M A 20 C M A 100 M A	A AMO	HI.	AC176 AC176 AC176	2N1304 2N2430 2N2430 2N2430 2N2430 2N1304	0 0 0
2SC186 2SC187 2SC188 2SC189 2SC190	NS NS NS NS	T01 T05 T05	L02 L02 L04 L04	20V 40V 60V	15 V 25 V 40 V	2V 3V 5V	25MA 500MA 500MA	125C 125C 175C 175C 175C	85MWF 85MWF 600MWF 600MWF	125M	8 P	50TP 50TP 40TP	2MA 2MA 1 CMA 15 CMA	A ALC	FU.	BC107 BFY50 BFY50	A157 A157 2N2297 2N2297 2N2297	0
2SC191 2SC192 2SC193 2SC194 2SC195	N: N: N:	5 T05 5 T05 5 T05	L04 L04 L04 L04	60V 60V		1 V 1 V 1 V 1 V	10MA 10MA 10MA	150C 150C 150C 150C 150C	250MWF 250MWF 250MWF 250MWF 250MWF	12M	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	21TP 21TP 21TP	1 M / 1 M / 1 M / 1 M /	ALC ALC ALC	0 8 9 6 0 8 9 6 0 8 9	BC107	A157 A157 A157 A157 A157	0 0 0
2SC196 2SC197 2SC199 2SC200 2SC201	N: N: N:	S T05 S T05 S T05	L04 L04 L04 L04	30 V 80 V 40 V	45\	1V 1V 15V 5V 3V	10MA 50MA 300MA		250MWF 250MWF 600MWF 650MWF	20M 50M	1 6P 1 4P 1 8P	21TP 70TP 60TP	1 M / 1 M / 3 M / 1 M /	A ALC	G 085	BSW54	A157 A157 2N2297 2N2219 2N2219	0 0
2 \$C 2 0 2 2 \$C 2 0 3 2 \$C 2 0 4 2 \$C 2 0 5 2 \$C 2 0 6	2222	S T018 5 T018 5 T018	LOI	40 V 20 V 80 V		5V 5V 3V 5V 2V	200MA	175C	650MWF 350MWF 350MWF 350MWF 200MWF	175M	4 8F	60TP 60TP 60TP		A RE		J BSW64 J BSW64	2N2219 2N2222 2N2222 2N2222 2N918	Δ O Δ O
2SC210 2SC211 2SC212 2SC213 2SC214	N	S T05	L04 L04 L04 L12 L12	25V 80V 50V		5 V 5 V 5 V 5 V	500M	175C 175C 175C 175C 175C	650MWF 650MWF 650MWF 1500MWF	751 751	4 30F	50TP 50TP 20MN	20M 20M 10M	Δ ΑΜΙ Δ ΑΜΙ Δ VHC	G FU. H FU. G FU.	BFY50 BSW66	2N 2297 2N 2297 2N 1893 2N 2782 2N 2782	0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	I C MAX	T J MAX	P TOT		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2SC215 2SC216 2SC217 2SC218 2SC220	NS	108 105 105 105 105	L12 L04 L04 L04 L04	80V 50V 25 V 80 V 50V	25V 18V 40V	5V 5V 5V 5V	300MA 300MA 300MA	175C 175C 175C 175C 175C	150CMWF 650MWF 650MWF 650MWF 650MWF	100M 100M 100M	30P	20MN 50TP 50TP 50TP 50TP	10MA 50MA 50MA 50MA 20MA	AMG		BFY50 BFY50 BSW66 BFY50	2N2782 2N2297 2N2297 2N1893 2N2297	00000
2SC221 2SC222 2SC223 2SC224 2SC225	NS NS NS NS	105 105 108 108 108	L04 L04 L12 L12 L12	25 V 80 V 50 V 25 V 80 V		5V 5V 5V 5V	700MA 700MA 1A 1A	175C	650MWF 650MWF 1500MWF 1500MWF	75M 75M 75M 75M 75M	30 P 30 P	50TP 50TP 20MN 20MN 20MN	20 MA 2 OMA 1 CMA 1 OMA 1 OMA	VHG	FUJ FUJ FUJ FUJ	BFY50 BSW66	2N2297 2N1893 2N2782 2N2782 2N2782	00000
2SC226 2SC227 2SC228 2SC229 2SC230	NS NS NS NS	T05 T05 T05 T08 T018	L04 L04 L04 L12 L01	50V 25V 80V 80V 80V	40V 20V 50V 60V	5V 5V 5V 5V 3V	700MA 700MA 700MA 1A 200MA	175C 175C 175C 175C 175C	650MWF 650MWF 650MWF 1500MWF 350MWF	175 <b>×</b>	8 P	50TP 50TP 50TP 30TP 60TP	100MA 100MA 100MA 100MA 1MA	AMG AMH	FUJ FUJ FUJ FUJ	BFY50 BFY50 BSW66 BC107	2N2297 2N2297 2N1893 2N2782 A157	00000
2SC231 2SC232 2SC233 2SC234 2SC235	NS NS NS NS	T05 T05 T05 T08 T08	L04 L04 L04 L12 L12	50V 25V 80V 100V	40V 20V 60V 60V 60V	5 V 5 V 5 V	700MA 700MA 700MA 1500MA 1500MA	175C 175C 175C 175C 175C	650MWF 650MWF 650MWF 1800MWF 1800MWF	70M 60M		40TP 40TP 40TP 20TP 20TP	150MA 150MA 150MA 150MA 150MA	AMG AMH	FUJ FUJ	BFY50 BFY50 BSW66	2N2297 2N2297 2N1893 2N2782 2N2782	0 0 0
2SC236 2SC237 2SC238 2SC239 2SC240	NS NS NS NS	TC8 TO18 TO5 TO18 TO3	L12 L01 L04 L01 L05	90 V 25 V 30 V 30 V 100 V	50V 18V 20V 65V	5V 3V5 5V 5V	500MA 300MA 100MA 300MA 5A	1750 1750 1500 1750 1750	1800MWF 350MWF 500MWF 350MWF 75WC	50M 225M 150M 225M 18M	9P 9P 9P	17TP 80TP 80TP 80TP 15/35	2 GMA 1 MA 1 MA 1 MA 1 A	VHG AMG ALG AMG AHG	FUJ FUJ	BSW64 BSW54 BSW64 BU123	2N2782 2N2222A 2N2219A 2N2222A	0
2SC241 2SC242 2SC243 2SC244 2SC245	NS NS NS	T03 T03 T03 T03 T03	L05 L05 L05 L05	60V 100V 140V 60V 120V	40V 65V 80V 40V 60V	5 V 5 V 5 V 5 V	5 A 5 A 5 A 6 A 6 A	1750 1750 1750 1750 1750 1750	75WC 75WC 75WC 75WC 75WC	18M 18M 18M 18M		15/35 15/35 15/35 15/35 15/35	1 A 1 A 1 A 1 A	AHG AHH AHG AHH	ı	BU123 BU123 BU123		0 0 0
2SC246 2SC247 2SC248 2SC249 2SC250	NS NS NS NS	T05	L05 L04 L01 L04 L36	180V 100V 70V 70V 20V	90V 40V 45V	5V 3V 5V 5V 2 V	6A 100MA 50MA 70MA 25MA	175C 175C 175C 175C 175C	75kC 600MWF 30CMWF 500MWF 60MWF	18M 75 M 85 M 85 M 85 M	6 P 5 P 7 P	15/35 60TP 60TP 60TP 45TP	1A 2MA 2MA 2MA 2MA	AL G	FUJ	BFY65 BC107 BFY50	2N1990 A157 2N2297 2N918	0 0 0
2SC251 2SC251A 2SC252 2SC253 2SC270	NS NS NS NS	T072 T072 T072	L06 L06 L06 L06	30V 30V 30V 30V 270V	15V 15V 15V 15V 75V	3V 3V 3V 3V 6V	30MA 30MA 30MA 30MA 5A	150C 150C 150C 150C 150C	200MWF 200MWF 200MWF 200MWF 50WC	450M	2 P 2 P 2 P	50TP 50TP 50TP 50TP 24/92	5MA 5MA 5MA 5MA 2A	VLA	NIP NIP NIP	BFX73 BFX73	2N918 2N918 2N918 2N918 2N918	00000
2SC273 2SC281 2SC281H 2SC282 2SC283	NS NS	1018 101 101 101 101	L01 L02 L02 L02	30 V 30 V	120V 20V 20V 20V 20V	5 V 5 V	1A 100MA 100MA 100MA	175C	500MWF 200MWF 200MWF 350MWF 350MWF	80 M 90 M 90 M	5P 10P 10P 15P 10P	50 TP 1 70 TP 1 70 TP 60 MN 1 70 TP	LOMA LOMA LOMA	ALG ALG ALG	LIH LIH LIH	BSW66 BC107 BC107 BC107 BC107	2N1893 A157 A157 A157 A157	0 0 0
25C283H 25C284 25C284H 25C285 25C285A	NS NS NS NS	T01 T01 T05	L C2 L O2 L G2 L O4 L O4	50V	20 V 35 V 35 V	5 ∨	100MA 100MA 100MA 200MA 200MA	175C 175C 175C	350MWF 350MWF 350MWF 500MWF 500MWF	100M 90M 160M	7 P	170TP 35MN 35MN 60TP 60TP	10MA 10MA 10MA	ALG ALG RMG	HIJ HIJ FUJ	BC107 BC107 BC107 BSW54 BSW54	A157 A157 A157 2N22194 2N22194	
25C291 25C292 25C293 25C297 25C298	NS NS	T05 T05 T05 T037	L04	70V 100V 130V 70V 100V	50V 60V 80V 40V 60V	5 V 5 V 5 V	3 A		1WF 1WF 1WF 10WC	45N 45N	1 <del>1</del>	40MN 70MN 70MN 25/52 30/173	100MA 100MA 100MA	AHG	SOY SOY	BSV64 BSV64 BSV64 BUY38 BDY78	2N4877 2N4877 2N4877 2N3054 2N5050	0 0 0
25C299 25C300 2SC301 2SC302 2SC303	NS NS	T018	L47 L01 L01 L01 L04	25V 50V	80 V 15 V 15 V 20 V 40 V	5V 5V 5V	3A 100MA 100MA 100MA 500MA	185C 185C 185C	10WC 360MWF 360MWF 360MWF	210 210 210	4 7P	50TP 50TP	10 MA 10 MA	RLO	MII MII MII	BDY79 8SW64 BSW64 BSW64 BSW64 BFY50	2N5050 2N22222 2N22222 2N22222 2N22297	0 A 0
2SC304 2SC305 2SC306 2SC307 2SC308	NS NS	105 105 105 105 105 105	L04 L04 L04 L04	80V 50V	40 \ 60 \ 30 \ 40 \ 60 \	5V 5V 5V	500MA 500MA 500MA	200C 200C 200C 200C 200C	800MWF 800MWF 800MWF 800MWF	1001 75 100	4 20P M 20P M 20P M 20P M 20P	30TP 85TP 85TP	100 MA 100 MA 150 MA 150 MA 150 MA	AM A	G OBS	8 BF Y50 8 BF Y50 8 BF Y50 8 BF Y50 8 BF Y50	2N2297 2N2297 2N2297 2N2297 2N2297	0 0 0 0
2SC309 2SC310 2SC313 2SC316 2SC317H	N: N: N:	105 105 1072 1018 101	LO4	30V 32V	100	5V 2V 5V	500MA 50MA 30MA	200C 200C 190C 175C 175C	800MWF 800MWF 200MWF 300MWF 350MWF	60 800 60	M	65TP	150 M/ 150 M/ 10 M/ 2 M/ 10 M/	A UL	H MI	BSW66	2N1893 2N1893 2N2857 A157 A157	
2SC318 2SC318A 2SC319 2SC320 2SC321H	N: N: N: N:	S T018 S T012 S T012	F 0	50V 40V 40V	30° 20° 20°	V 5V V 4V V 4V	100M/ 300M/ 300M/	175C 175C 175C 175C 175C	800MW	F 350 F 400	M 10F M 10F M 10F	90TP 20MN 20MN	100M	A VM.	G SO A NI A NI	P BC107 P BSW54 P BSW54 J BSW54	2N2219	A O
2SC323 2SC350 2SC350H 2SC351 2SC352	N N	S T01 S T01	LO.	2 30 V 2 30 V 1 40 V	20	V 5V V 5V 2V	100M/ 100M/ 20M/	175C 175C 175C 175C 125C 175C	200MW 200MW 200MW	F 90 F 300	M 12F M 12F M 3F	125TP 125TP 50TP	100U 100U 2M	A AL A AL A VL	N HI N HI A OB	S BC107 J BC109 J BC109 S BFX73 Y BSW54	A159 A159 2N918	0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	I C MAX	T J MAX	P TOT		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2SC352A 2SC353 2SC353A 2SC3554 2SC356	NS NS NS NS	105 105 105 105 105	L04 L04 L04 L04 L01	50V 100V 100V 40V 30V	30V 60V 60V	5 V 5 V 5 V 4 V 5 V	100MA 100MA 100MA 1500MA 200MA	175C 175C 175C 200C 175C	750MWF 750MWF 750MWF 7WC 300MWF	85M 85M 85M 90M 200M	4P5 6P 4P5	90TP 90TP 90TP 100MN 60TP	1 MA 1 MA 1 MA 500 MA 1 O MA	RLG RLG RLG AHG VLA	SOY	BSW54 BSW54 BSW54 BFY50 BSW64	2N2219A 2N2219A 2N2219A 2N2219A 2N2297 2N2222A	0 0
2SC360 2SC361 2SC362 2SC363 2SC366	NS NS NS NS	T018 T098 T098 T098	L01 L21 L21 L21 L21	30V 30V 25V 25V 50V	18V 30V 18V 18V	5V 4V 5V 5V	100MA 100MA 40MA 40MA 400MA	175C 125C 125C 125C 125C	250MWF 200MWF 200MWF 200MWF 300MWF	75M 60M 75 M 75M 60M	7P 4P 6P 6P 20P	100TP 120MN 140TP 250TP 60TP	10MA 2MA 2MA 2MA 10MA	ALG ALG	OBS	BC182L BC182L BC184L	A157 2N3710 2N3710 2N3707 2N3704	0 0 0
2SC366G 2SC366G/0 2SC366G/R 2SC367G 2SC367G/0	NS NS NS NS	1098 1098 1098 1098 1098	L21 L21 L21 L21 L21	60V 60V 60V 40V	40V 40V 40V 20V 20V	5V 5V 5V 5V	400MA 400MA 400MA 400MA 400MA	125C 125C 125C 125C 125C	300MWF 300MWF 300MWF 300MWF 300MWF	100M 100M 100M 100M	15P 15P 15P		100MA 100MA 100MA 100MA	AMG AMG	TOS TOS TOS	BCW36	2N3704 2N3704 2N3704 2N3704 2N3704	0 0 0
2SC367G/R 2SC367G/Y 2SC366G/Y 2SC367 2SC368	NS NS NS NS	T098 T098 T098	L21 L21 L21 L21 L01	40V 40V 60V 40V 25V	20V 20V 40V 20V 18V	5V 5V 5V 5V 5V	400MA 400MA 400MA 400MA 100MA	125C 125C 125C	300MWF 300MWF 300MWF 300MWF 250MWF	100M 100M 100M 60M 75M	15P 15P	40/80 120MN 120MN 70TP 250TP	1 COMA 1 COMA 1 COMA 1 OMA 1 MA	AMG AMG AMG	TOS TOS OBS	BCW36 BCW36	2N3704 2N3704 2N3704 2N3704 2N330	0 0 0
2SC369 2SC369G 2SC369G/B 2SC369G/G 2SC369G/V		T098 T098 T098	L21 L21 L21 L21 L21	25V 40 V 40 V 25 V 40 V	18V 30V 30V 18V 30V	5 V 5 V 5 V 5 V 5 V	100MA 100MA 100MA 100MA	125C 125C 125C	200MWF 200MWF 200MWF 200MWF 200MWF	75 M 50M 50M 75 M 50 M	3 P 3 P	250TP 200MN 250MN 150MN 600MN	1 MA 1 MA 1 MA 1 MA	ALN ALN	TOS	BC 184L BC 184L BC 184L	2N3707 2N3707 2N3707	0 0 0
2SC370 2SC370G 2SC371 2SC371/0 2SC371/R	NS NS NS	T098 T098	L21 L21 L21 L21 L21	35V 35V 35V	30 V 30 V 30 V 30 V	4V 4V	100MA 100MA 100MA 100MA	125C 125C 125C	200MWF 200MWF 200MWF 200MWF 200MWF	80M	3P5 3P5 3P5	20MN 40MN 70/140	2 MA 10 MA 2 MA 2 MA 2 MA	ALG ALG	OBS TOS	BC 1821 BC 184L BC 182L	2N3710 2N3710 2N3710	0 0
2SC371G 2SC371G/R 2SC371G/R 2SC372 2SC372/0		T098 T098	L21 L21 L21 L21 L21	35V 35V 35V	30 V 30 V 30 V 30 V	5V 5V 4V	100MA 100MA 100MA 100MA	125C 125C 125C	200MWF 200MWF 200MWF 200MWF 200MWF	80 N 80 N 80 N	3P5	70/140 40/80 70MN	10MA 10MA 10MA 2MA	ALG ALG ALN	T 0 9	BC 1821 BC 1821 BC 1841	2N3710 2N3710 2N3707	0 0
2SC372/Y 2SC372G 2SC372G/O 2SC372G/Y 2SC373		T098 T098 T098	L21 L21 L21 L21 L21	35V 35V 35V	30 V 30 V 30 V 30 V	5V 5V 5V	100MA 100MA 100MA 100MA	125C 125C 125C	200MWF 200MWF 200MWF 200MWF 200MWF	80 M	3P5	70MN 70/140 120MN	2MA 10MA 10MA 10MA 2MA	ALG ALG	TOS	BC1821 BC1821 BC1821	2N3710 2N3710 2N3710	0
2SC373G 2SC374 2SC374/B 2SC374/V 2SC375	NS NS NS NS	T098	L 21	35 V 35 V 35 V	30 V 30 V 30 V 30 V	4V 4V 4V	100MA		200MWF 200MWF 200MWF 200MWF 200MWF	804 804 804	3P5 3P5 3P5 3P5	350MN 350MN 600MN	2MA 2MA	ALN	TOS	BC1841	. 2N3707 2N3707	0
2SC376 2SC377 2SC378 2SC379 2SC380	NS NS NS	T098 T098 T098	L21 L21 L21	35 V 35 V 30 V		4V 4V 4V	30MA 30MA 100MA	125C 125C 125C 125C 125C	200MWF 200MWF 200MWF 200MWF 200MWF	751 754 1504	4 4 P	25MN 40MN 70TP	2 M / 2 M / 2 M /	ALC	0 B S	BC1821	2N3710 2N3710 2N3710	
2SC381 2SC382 2SC382G 2SC382R 2SC383	NS NS NS	T098 T098	L21 L21	40V 40V 40V		2 V 2 V 2 V		125C 125C 125C	200MWF 150MWF 150MWF 150MWF 300MWF	2751 3001 3001	1 3P 1 3P 4 3F	80TP 30MN 30MN		V VL/	1 TO:		2N 3710 2N 918 2N 918 2N 918 2N 918 2N 918	
2SC384 2SC385 2SC386 2SC386A 2SC387	NS NS NS	1098 1098 1098	L21 L21 L21	20 V 20 V 1 20 V	15\	2 V 2 V 3 V	20 MA 20 MA 20 MA	125C 125C 125C 125C 125C	200MWF 200MWF 200MWF 200MWF 200MWF	3001 2501 3001	4 4F 4 4F 4 3F	80TP 80TP 40TP	8M8 8M8	V V L	A 083 A 083 A TO3		2N918 2N918 2N918 2N918 2N918	
2SC387G 2SC388 2SC388A 2SC389 2SC391		T098	L21 L21	20V 25V 20V	25\ 15\	2 V 3 V 3 3 V		150C	200MWF 200MWF 300MWF 150MWF	2250 150 250	4 3F	80TP 20MN 50TP	12M/ 4M/	VL/	A TO	S BF X73	2N918 2N918 2N918 2N918 2N918	0
2SC392 2SC394 2SC395A 2SC395A/0 2SC395A/0	NS NS	T098 T018	L21	35V 20V 20V	30 12 12	4V 5V 5V	100M		150MWI 200MWI 300MWI 300MWI 300MWI	200	4 61 4 61	25MN 30/200 60/120	2M/ 10M/ 10M/	VM:	5 TO: 5 TO:	S BFY90 S BC1820 S BSX20 S BSX20 S BSX20	2N2857 2N3710 2N2369 2N2369 2N2369	
2SC395A/1 2SC396 2SC397 2SC398 2SC399	N: N: N:	T018 T018 T072 T072	L00	40V 5 20V 5 20V	20 12 20	5V 2V 3V	200M/ 50M/ 20M/	175C 175C 180C 175C 175C	300 MWI 300 MWI 200 MWI 200 MWI 200 MWI	225 400 250	M 41 4 OR!	200MN 80TP	10 M/ 8 M/ 4 M/	A RMO	G TO	BS X20 BSW64 BFX73 BF200 BF200	2N2 369 2N 22 22 2N 91 8	
2SC400 2SC400/G 2SC400/0 2SC400/R 2SC400/Y	N: N:	TO18 TO18 TO18 TO18 TO18	LO:	1 30V 1 30V 1 30V	20	V 5V V 5V V 5V	100M/ 100M/ 100M/	175C 175C 175C 175C 175C	250MWI 250MWI 250MWI 250MWI 250MWI	F 100 F 100	M 61 M 61 M 61	170MN 60/120	10M 10M 10M	A AL	G TO	S BC107 S BC109 S BC107 S BC107 S BC107	A157	

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	F C T OB MIN MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2 SC4 C 1 2 SC4 C 2 2 SC4 O 2 A 2 SC4 O 2 B 2 SC4 O 3	NS NS NS	X20 X20 X20 X20 X20 X20	L 42 L 42 L 42 L 42 L 42	50 V 50 V 50 V 50 V 50 V	25V 25V 25V 25V 25V		100MA 100MA 100MA 100MA 100MA	125C 125C 125C	100MWF 100MWF 180MWF 300MWF 100MWF	85M 5P 85M 5P 70M 5P 70M 3P5 85M 5P	90TP 90TP 60TP 32MN 60TP	1MA 1MA 1MA	ALG ALG ALG	\$07 \$07 \$07	BC182L BC182L BC182L BC182L BC182L	2N3710 2N3710	0 0 0 0
2SC403A 2SC403B 2SC404 2SC405 2SC406	NS NS	X20 X20 X20 T05 T05	L42 L42 L42 L04 L04	50V 50V 50V 30V 30V	25V 25V 25V 18V 18V	3 V 4 V 3 V 6 V 6 V	100MA 100MA 50MA 200MA 200MA	125C 100C	180MWF 300MWF 100MWF 125MWF 125MWF	70M 5P 70M 2P7 85M 5P 4M 25P 4M 25P	60TP 20MN 90TP 60TP 120TP	1MA 100MA	ALG ALG RMG	SOY SOY OBS	8C 182L BC 182L BC 182L ASY29 ASY29	2N3710 2N3710 2N3710 2N1304 2N1304	0 0 0 0
SC407 SC408 SC409 SC410 SC411	NS NS NS NS	T03 T03 T03 T03 T03	L05	150V 200V 200V	100V 100V 140V 140V 20/V	4V 4V 4V 4V	10A 10A 10A	150C 150C 150C 150C 150C	100WC 100WC 100WC 100WC	200 M 500 P 200 M 500 P 200 M 500 P 200 M 500 P 200 M 500 P	10/30 20/40 10/30 20/40 10/30	5A 5A 5A 5A 5A	VHH VHH VHH VHH	SHI SHI SHI SHI SHI	BD Y90 BD Y90 BD Y90 BD Y90 BD Y90		0 0 0
SC412 SC423 SC425 SC437 SC438	NS NS NS NS	T03 T039 T039 T08 T08	L05 L04 L04 L12 L12	30:0V 40V 40V 100V 75V	20/v 60v 60v	4V 5V 5V 5V	10A 300MA 30CMA 2A 2A	150C 165C 165C 175C 175C	100kC 500MWF 500MWF 13WC 13WC	200 M500 F 250 M 10 P 250 M 10 P 100 M 100 M	20/40 80TP 80TP 20MN 20MN	5A 20MA 20MA 350MA 350MA	RMG RMG VHH	SAN	BD Y90 B SW54 B SW54	2N2219A 2N2219A 2N2782 2N2782	
SC440 SC441 SC442 SC443	NS NS NS NS	105 105 105 105 105	L04 L04 L04 L04 L04	25 V 25 V 25 V 50 V 60 V	15V 15V 15V 40V 40V	5V 5V 5V 3V 4V	100MA 100MA 100MA 500MA 500MA	175C 175C 175C 200C 200C	500MWF 500MWF 500MWF 800MWF 800MWF	200M 7P 200M 7P 200M 7P 70M 20P 140M 20P	50TP 50TP 50TP 20TP 25TP	100MA 100MA 100MA 100MA 100MA	VMG VMG AMG	08S 08S 08S	BSW54 BSW54 BSW54 BFY50 BSW54	2N2219A 2N2219A 2N2219A 2N2219A 2N2297 2N2219A	0
25C445 25C454 25C454L 25C456 25C458	NS NS NS NS	T05	L C4 L 45 L 45 L 04 L 45	80V 30V 30V 60V 30V	60V 30V 30V 30V 30V	5V 5V 5V 5V	500MA 100MA 100MA 300MA 100MA	200C 125C 125C 175C 175C	800MWF 200MWF 200MWF 750MWF 200MWF	140M 20P 115M 4P 115M 4P 100M 7P 115M 4P	30 TP 60 MN 60 MN 80 TP 60 MN	100MA 2MA 2MA 10MA 2MA	ALG ALN RMG	LIH LIH TAM	BC 184L	2N2219A 2N3710 2N3707 2N2219A 2N3710	0
2SC458L 2SC458LG 2SC460 2SC461 2SC463H	NS NS NS NS	X21 X21 X21	L45 L45 L45 L45 L45	30V 30V 30V 30V 35V	30V 30V 30V 30V 35V	5 V 5 V 5 V 5 V 4 V	100MA 100MA 100MA 100MA 20MA	125C 125C	200MWF 200MWF 200MWF 200MWF 150MWF	115M 4P 115M 3P 115M 3P	150TP 60MN 35MN 35MN 40MN	2 M A 2 M A 2 M A 2 M A 5 M A	ALN ALG ALG	LIH LIH LIH	BC 184L BC 182L	2N3707 2N3710	
2SC464 2SC465 2 2SC466 2SC468H 2SC470	NS NS NS	T072 T072 T072	L06 L06 L06 L06 L06	30V 40V	12V 12V 12V 15V 130V	2 V 2 V 2 V 5 V	20MA 20MA 20MA 200MA 100MA	200C 200C 180C	200MWF 200MWF 200MWF 200MWF 750MWF	200M 1R7 200M 1R7 300M 6P	40 TP	1 MA 1 MA 1 MA 1 OMA 3 MA	FRH FRH RMG		BF184 BF184	2N22222 2N1893	4
2SC477 2SC478 2SC481 2SC482 2SC482/G		1018	L01 L01 L04 L04	50V 60V 40V	32 V 25 V 45 V 32 V 32 V	4V 1V5 5V 5V 5V	30 MA 12 OMA 1A 60 OMA 60 OMA	200C 150C 175C	145MWF 300MWF 600MWF 600MWF	100M 8P 100M 30P 50M 30P	20/100 30/300	150MA	AL C	MAT TOS	BC107 BC107 BSW54 BFY50 BFY50	A1 57 A1 5 7 2N 2 2 1 97 2N 2 2 9 7 2N 2 2 9 7	
2SC482/0 2SC482/Y 2SC484 2SC484/B 2SC484/R	NS NS NS	1039 1039 1039		407		5V 5V 5V	600MA 600MA 1500MA 1500MA	175C 150C 150C	600MWF 600MWF 800MWF 800MWF	50M 30P 10M 10M	1	150MA 150MA 200MA 200MA 200MA	AMC AMI AMI	TOS	BFY50 BFY50 BSW66 BSW66 BSW66	2N2297 2N2297 2N1893 2N1893 2N1893	
2SC484/Y 2SC485 2SC485/B 2SC485/R 2SC485/Y	N: N: N: N:	T039	L04	150V 120V 120V 120V 120V	80 V	5V 5V 5V	1500MA 1500MA 1500MA 1500MA	150C 150C 150C	80 CMWF 80 OMWF 80 OMWF 80 OMWF	10M 10M 10M	50/140 30MN 100MN 30/85 50/140	200 M/ 200 M/ 20 / M/ 20 C M/ 20 C M/	AMI AMI	H TO:		2N1893 2N1893 2N1893 2N1893 2N1893	
2SC486 2SC486/B 2SC486/R 2SC486/Y 2SC487	2 2 2 2	S 1039 S 1039 S 1039	FO.	4 80 V 4 80 V	50 V 50 V 50 V	5 V	1500MA 1500MA 1500MA 1500MA	150C 150C 150C	800MWI 800MWI 800MWI 800MWI	10M 10M 10M	30MN 100MN 30/85 50/140 40/250	200M/ 200M/ 200M/ 200M/ 200M/	A AM	H TO H TO		2N1893 2N1893 2N1893 2N1893 2N3738	
25C488 25C489 25C489/B 25C489/R 25C489/Y		S T066 S T066	L4 L4 L4	3 14 C V 3 100 V 3 100 V 3 100 V 3 10 C V	80\ 80\ 80\	5V 5V 5V	3/	150C 150C 150C 150C 150C	16W 16W 16W 16W	5M260F C 5M260F C 5M260F		500M 500M 500M 500M 500M	A AH A AH A AH	H TO H TO	S BDY72 S BDY72 S BDY72	2N3441 2N3441	
2SC490 2SC490/B 2SC490/R 2SC490/Y 2SC491	N N N	S T066	14 14 14 14	3 60V 3 60V 3 60V	50\ 50\ 50\	5 V 5 V 5 V	3,	1 50C A 1 50C A 150C	16W 16W 16W 16W	C 5M260 C 5M260 C 5M260	P 70/200 P 20/60 P 40/120	500M	A AH A AH	G TO G TO	S BUY38 S BUY38 S BUY38	2N3054 2N3054 2N3054	4
2SC491/R 2SC491/R 2SC491/Y 2SC492 2SC493	N N N	S T066 S T066 S T066 S T03	, L4	3 50\ 3 50\ 5 110\	35° 35° 110°	V 5V V 5V V 5V	1500M 1500M 5	A 150C A 150C A 150C		C 15M160 C 15M160 C 10M	P 30/60 P 50/100 60TP	500M 500M	A AH	IG TO	S BUY38	2N3054 2N3054	4
2SC493/E 2SC493/E 2SC493/Y 2SC494 2SC494/E		IS 103 IS 103 IS 103 IS 103 IS 103	10 10	5 80° 5 80° 5 50°	V 80 V 80 V 50	V 5V V 5V V 5V	5 5 5	A 150C A 150C A 150C A 150C A 150C	50W 50W 50W	C 5M260 iC 5M260 iC 5M260		1	A RI A RI A RI A RI	4H TO 4H TO 4G TO	S BDY25 S BDY25 S BDY25 S BDY25 S BDY25	5 5 2 2 3 4 4 5	

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	I C MAX	J MAX	P TOT	F C T OB MIN MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2 SC494/R 2 SC494/Y 2 SC495 2 SC495/0 2 SC495/R	NS NS NS NS	T03 T03 T0126 T0126 T0126	L31	50V 50V 70V 70V 70V	50 V 50 V 50 V 50 V 50 V	5 V 5 V 5 V 5 V	5A 5A 800MA 800MA 800MA	150C 150C 125C 125C 125C	50 kC 50 kC 550 MWF 550 MWF 550 MWF	5M260P 5M260P 50M 20P 50M 20P 50M 20P		1A 1A 50MA 50MA 50MA	RHG RHG AMH AMH	TOS TOS TOS	BDY23 BDY23 BD169 BD169 BD169	2N3445 2N3445 2N4923 2N4923 2N4923	00000
2SC495/Y 2SC496 2SC496/0 2SC496/R 2SC496/Y	NS NS NS NS	T0126 T0126 T0126 T0126 T0126	L31 L31 L31	70V 40V 40V 40V 40V	50 V 30 V 30 V 30 V 30 V	5 V 5 V 5 V 5 V	AMOOB AMOOB AMOOB AMOOB	125C 125C 125C 125C 125C	550MWF 550MWF 550MWF 550MWF 550MWF	50M 20P 50M 20P 50M 20P 50M 20P 50M 20P	40/240 70/140 40/80	50MA 50MA 50MA 50MA 50MA	AMH AMG AMG AMG AMG	TOS TOS TOS		2N4923 2N4923 2N4923 2N4923 2N4923	0 0 0 0
2SC497 2SC497/0 2SC497/R 2SC497/Y 2SC498	NS NS NS NS	T039 T039 T039 T039 T039	L 04 L 04 L 04 L 04 L 04	100V 100V 100V 100V 80V	80 V 80 V 80 V 80 V 50 V	5 V 5 V 5 V 5 V	AMOO8 AMOO8 AMOO8 AMOO8 AMOO8	150C 150C 150C 150C 150C	600MWF 600MWF 600MWF 600MWF	30M 3CP 30M 30P 30M 30P 30M 30P 30M 30P	70/140 40/80 120MN	200MA 200MA 200MA 200MA 200MA	AMH AMH AMH AMH AMG	T 0 S T 0 S T 0 S	BSW66 BSW66 BSW66 BSW66 BFY50	2N1893 2N1893 2N1893 2N1893 2N2297	0 0 0
2SC498/0 2SC498/R 2SC498/Y 2SC499 2SC500	NS NS NS NS	1	L04 L04 L04 L21 L04	80V 80V 80V 100V 120V	50V 50V 50V 100V 120V		800MA 800MA 800MA 20MA 20MA	150C 150C	600MWF 600MWF 600MWF 300MWF 600MWF	30M 30P 30M 30P 30M 30P 70M 3P5 70M 3P5	40/80 120MN 20/220	200MA 200MA 200MA 2MA 3MA	AMG AMG VLH VLH	TOS TOS TOS	BFY50 BFY50 BF1790	t .	0 0 0 0
2SC501 2SC502 2SC503 2SC503/G 2SC503/0	NS NS NS NS	T039	L04 L04 L04 L04 L04	60V 60V 60V 60V	50V 30V 50V 50V	5 V	1 A 300MA 600MA 600MA 600MA	175C 175C	800MWF 750MWF 800MWF 800MWF 800MWF	100M 7F 50M 30F	80TP 30/300 100MN	200 MA 150 MA 150 MA 150 MA 150 MA	R MG AHG AHG	OBS TOS TOS	BSW54 BFY50 BFY50	2N2219/ 2N2219/ 2N2297 2N2297 2N2297	
2SC503/Y 2SC504 2SC504/G 2SC504/0 2SC504/Y	NS NS NS NS	T039 T039 T039	L04 L04 L04 L04 L04	60V 40V 40V 40V 40V	50V 30V 30V 30V 30V	5V 5V 5V	600MA 600MA 600MA 600MA	175C 175C 175C	800MWF 800MWF 800MWF 800MWF 800MWF	50M 30F 50M 30P	30/300 100MN 30/90	150MA 150MA 150MA 150MA 150MA	AHG AHG	TOS TOS TOS	BFY50 BFY50	2N2297 2N2297 2N2297 2N2297 2N2297	0 0 0
2SC505 2SC505/0 2SC505/R 2SC506 2SC506/0	NS NS NS NS	T039 T039 T039	L04 L04 L04 L04 L04	300V 300V 200V		3V 3V 3V	100MA 100MA 100MA 100MA	175C 175C 175C	600MWF 600MWF 600MWF 600MWF	20M 15P 20M 15P 20M 15P	50/150 30/90 30/150	50MA 50MA 50MA 50MA 50MA	VLE VLE	10S	BF259 BF259		0 0 0
2SC506/R 2SC507 2SC507/0 2SC507/R 2SC507/Y	NS NS NS	T039 T039 T039	L04 L04 L04 L04	170V 170V	120 V	5 V 5 V 5 V	100MA 100MA 100MA 100MA	175C 175C 175C	600MWF 750MWF 750MWF 750MWF 750MWF	100M 4F 100M 4F 100M 4F	40/240 70/140 40/80	50MA 10MA 10MA 10MA	VLH VLH	TOS	BF1790		0 0 0 0
2SC508 2SC509 2SC509/G 2SC509/0 2SC509/Y	NS NS NS	X19 X19 X19	L41	35 V 35 V	30 V 30 V 30 V	5V 5V	500MA 500MA 500MA	150C	2 C W C 600 M W F 600 M W F 600 M W F	50M 30F 50M 30F 50M 30F	20MN 70/400 200MN 70/140 120MN	50MA 50MA 50MA	AMG	T 0 S	BDY79 BCW36 BCW36 BCW36 BCW36	2N3738 2N3704 2N3704 2N3704 2N3704	0 0 0 0
2SC510 2SC510/0 2SC510/R 2SC511 2SC511/0	NS NS NS	T039 T039 T039	L04 L04 L04	140V 140V 140V 120V 120V		5V 5V 5V	1500MA 1500MA 1500MA 1500MA 1500MA	175C 175C 175C	800MWF 800MWF 800MWF 800MWF	20M 40F 20M 40F 20M 40F	50/150 30/90 30/150		AMH AMH AMH	TOS TOS		2N1893 2N1893 2N1893 2N1893 2N1893	0
2SC511/R 2SC512 2SC512/0 2SC512/R 2SC513	NS NS NS	T039 T039 T039	L04 L04 L04 L04	100V 100V	80V 60V 60V 40V	5V 5V 5V	1500MA 1500MA 1500MA 1500MA 1500MA	175C 175C 175C	800MWF 800MWF 800MWF 800MWF 800MWF	20M 40I 20M 40I 20M 40I	30/150 50/150 30/90		AMP AMP	T T C S	BSW66 BSW66 BSW66	2N1893 2N1893 2N1893 2N1893 2N2297	0
2SC513/0 2SC513/R 2SC514 2SC515 2SC515A	NS NS NS	1039 085 1066	L43		3001	5V 3V 5V		175C 150C 175C	800 MWF 800 MWF 4W0 20W0 20W0	20M 401 10M 12M 10F	30/90 60MN 40/170		RLE VME	TOS	BFY50 BF259	2N2 29 7 2N2 29 7 2N3 73 9 2N3 73 9	0 0
2SC516 2SC516A 2SC517 2SC518 2SC518A	NS NS NS	105 1037 103	L47	140V	100			175C	800MWF 800MWF 10WC 63WC	25M 50F 150M 50F 20M	60TP	2 M A 500 M A 5 A	AMI	TOS TOS OBS	BDY25	2N1893 2N1893 2N5050	0
2SC519 2SC519A 2SC520 2SC520A 2SC521	NS NS NS	T03	L05	100V	110V	5 V 5 V 5 V	5A	150C 150C 150C	50 WC 50 WC 50 WC 50 WC	5M250I 10M 5M250I	50MN	1 A 1 A 1 A	RHH RHH RHC	105 0B5 105	BDY23	2N3445 2N3445	0 0 0
2SC521A 2SC522 2SC522/0 2SC522/R 2SC523	NS NS NS	T037 T037 T037	L47		100V	5 V 5 V 5 V	7A 1500MA 1500MA 1500MA 1500MA	175C	50%( 10%( 10%( 10%( 10%(	20M 50F 20M 50F 20M 50F	30/150 50/150 9 30/90	200 M A 200 M A 200 M A	RH	TOS		2N3445 2N5050 2N5050 2N5050 2N5050	0
2SC523/0 2SC523/R 2SC524 2SC524/0 2SC524/R	NS NS NS	T037	L47 L47 L47	120V 120V 100V 100V 100V	601	5 V 5 V 5 V	1500MA 1500MA 1500MA 1500MA	175C 175C 175C	1 0 W C 1 0 W C 1 0 W C 1 0 W C	20M 50I 20M 50I 20M 50I		20 0 MA	RHI RHO RHO	T 05		2N 50 5 0 2N 50 5 0 2N 50 5 0 2N 50 5 0 2N 50 5 0	0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P. TOT	F <sub>T</sub> (	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ıss
2SC525 2SC525/0 2SC525/R 2SC526 2SC535	NS NS NS NS	1037 1037 1037 105 1072	L47 L47 L47 L04 L06	7CV 7OV 7CV 165V 3OV	40V 40V 40V 150V 20V	5٧	1500MA 1500MA 1500MA 55MA 20MA	175C 175C 175C 175C 175C	1 CWC 10WC 10WC 750MWF 100MWF	20 M		30/150 50/150 30/90 20MN	200MA 200MA 200MA 45MA	RHG RHG	20T 20T 20T TAM TAM	BDY78 BDY78 BDY78 BF259 BFY90	2N5050 2N5050 2N5050 2N5050	00000
2SC536 2SC537 2SC538 2SC538A 2SC539	NS NS NS NS	T092 T092 T018 T018	L 14 L 14 L 01 L 01 L 01	40V 20V 25V 45V 25V	25V 45V 25V	5V 5V 5V 5V	100MA 100MA 50MA 50MA 50MA	125C 125C 175C 175C 175C	200MWF 200MWF 300MWF 300MWF 300MWF	115 M 115 M 100 M 100 M 100 M	6 P 6 P	120TP 120TP 250TP 250TP 250TP	1 MA 1 MA 2 MA 2 MA 2 MA		SAN MAT MAT	BC347A BC347A BC109 BC107 BC109	2N3903 2N3903 2N390 2N930 A157 2N930	0 0 0 0
2SC541 2SC547 2SC548 2SC554 2SC555	NS NS NS NS	T039 T039 T039	L04 L04 L04 L04 L04	50V 65V 36V 36V 55V	35V 40V 18V 18V 30V	4V 4V 4V 4V 3V5	1A 1A 500MA 500MA 400MA	1750 1750 1750 1750 1750	800MWF 6WC 6WC 6WC 4WC	225M 200M 275M 200M 400M	1 O P	25MN 10MN 10MN 10MN 10MN	100MA 150MA 150MA 150MA 50MA	VMA VMG VMG RMG VMA	TOS TOS OBS	BSW54 BSW54 BSW54 BSW54 BSX59	2N2 21 9A 2N221 9A 2N221 9A 2N221 9A 2N3725	0
25C558 25C559 25C560 25C561 25C562	NS NS NS NS	T03 T05 T039 T092 T072	L05 L04 L04 L14 L06	250 V 60 V 80 V 20 V 40 V	30V 60V	5 V 5 V 5 V 2 V 4 V	5A 300MA 800MA 25MA 25MA	150C 175C 175C 125C 175C	50WC 600MWF 800MWF 200MWF 130MWF	10M 115M 75M 100M 275M	4 P	20MN 80TP 60TP 35TP 40MN	5A 100MA 150MA 2MA 4MA	RHE RMG AMH ALG TIA	OB S FUJ	BU120 BSW54 BSW66 BC347A BF173	2N2219A 2N1893 2N3903	00000
2SC563 2SC567 2SC568 2SC571 2SC572	NS NS NS NS	T072 T072 T072 T039	L06 L06 L06 L04 L04	40V 30V 30V 36V 36V	25V 15V 15V 18V 18V		25MA 20MA 20MA 1500MA 150CMA	175C 175C 175C 175C 175C	145MWF 200MWF 200MWF 6WC 6WC	500M 650M 125M 125M	_	38MN 40MN 80 TP 30MN 30MN	7MA 2MA 2MA 100MA 20CMA	TIA ULA ULA RMG RMG	NIP NIP Mat	BF173 BFY90 BFY90 BSX59 BSX59	2N2857 2N2857 2N3725 2N3725	0 0 0 0
2SC573 2SC580 2SC582 2SC586 2SC587	NS NS NS NS	T039 T05 T066 T03 T018	L04 L04 L43 L05 L01	36V 60V 30CV 150V 45V	18V 30V 300V 35V	4V 5V 3V 6V 5V	1500MA 1A 100MA 5A 30MA	1750 1750 1750 1500 1750	6WC 800MWF 4WC 50WC 300MWF	125M 125M 50M	20 P	30 MN 80 MN 30 / 150 20 MN 300 TP	400MA 50MA 50MA 1A 2MA	RMG RMG RHE RHH ALN	OBS MAT MAT	BSX59 BSW54 BDY25 BC109	2N3725 2N2219A 2N3739 2N930	0 0 0
2SC587A 2SC588 2SC589 2SC590 2SC591	NS NS NS NS	T018 T05 T05 T05 T08	LC1 LC4 LC4 LO4 L12	120V	35V 20V 150V 70V 50V	5V 5V 5V 5V 4V	30MA 100MA 80MA 300MA 1500MA	175C 175C	30 CMWF 600MWF 75 CMWF 800MWF 2 CWC	50 M 100 M 100 M 80 M 80 M	5 P 4 P 20 P	300TP 100TP 40TP 70TP 10/40	2MA 10MA 3MA 150MA 150MA	RLG VLE AHH	MAT	BC109 BSW54 BF259 BSW66	2N930 2N2219A 2N1893 2N2782	0 0 0
2SC593 2SC594 2SC594/0 2SC594/R 2SC594/Y	NS NS NS NS	T072 T05 T05 T05 T05	L 06 L 04 L 04 L 04 L 04	60V	30V 45V 45V 45V 45V	5V 5V 5V 5V 5V	30MA 200MA 200MA 200MA 200MA	175C 175C	165MWF 750MWF 750MWF 750MWF 750MWF	75 M 100 M 100 M 100 M	5 P 5 P 5 P	40MN 40/240 70/140 40/80 120MN	1 MA 1 OMA 1 OMA 1 OMA 1 OMA	RMG	10S 10S	BC107 BSW54 BSW54 BSW54 BSW54	A157 2N2219A 2N2219A 2N2219A 2N2219A	0
25C595 25C596 25C597 25C601 25C602	NS NS	T012	LC1 L09 LC4 L01 L06	65V 40V	20 V 30 V 40 V 15 V 20 V		LOCMA	175C 175C	30CMWF 800MWF 800MWF 300MWF 20CMWF	200M 200M 300M	12P	80TP 50TP 30TP 60TP 60TP	100MA	RMG RMG VLS	NIP OBS NIP	BSW64 BSW54 BSW54 BSX20 BFX73	2N2222A 2N2219A 2N2219A 2N2369 2N918	0
2SC6C8T 2SC6C9T 2SC611 2SC612 2SC613	NS NS NS NS	T012F T072 T072		75V 20V 20V	60V 60V 12V 12V 15V	4 V 3 V 3 V		175C 175C 175C	1WF 1WF 200MWF 200MWF 36CMWF	500 M	2 P	80TP	1 C C M A 10 G M A 2 M A 2 M A 3 M A	RHG ULA ULA	10S	•	2N2196 2N2196 2N2857 2N2857 2N2369	0 0 0 0
25C614 25C615 25C619 25C620 25C621		1039 1092 1092	L04 L04 L12 L12 L02	30V 30V 50V	25V 30V 15V	4V 5V 5V	200MA	1	7WC 7WC 250MWF 250MWF 150MWF	100M 125M 125M	25P 25P 12P 12P 12P	80TP 110TP 90TP	250 MA 10 MA 1 CMA	AHG AMG	SAN MIT	BSV64 BSV64 BC387 BC387 BSX20	2N4877 2N4877 2N4401 2N4401 2N2 369	0 0 0 0
25C622 25C627 25C629 25C631 25C631A	NS NS NS	105 ×20 ×20	L02 L04 L42 L42 L42	20 0V 18 V 25 V	15 V 200 V 13 V 25 V	4V 3V 6V	100MA 30MA 100MA	150C 175C 150C 125C 125C	150MWF 700MWF 15CMWF 180MWF 320MWF	101 4001 701	V 12 P V 2 P V 9 F	360TP 30TP 350TP	10MA 50MA 1MA 1MA	ALF VLA ALN	FUJ 507 1 S07		A157 2N918 2N3904 2N4401	0 0 0
2SC632 2SC632A 2SC633 2SC633A 2SC634	N:	X20 X20	L 42 L 42 L 42 L 40 L 42	50V 25V 25V	40 V 50 V 25 V 25 V 40 V	6V 6V 6V	200 MA 100 MA 200 MA	125C 125C 125C 125C 125C	180MWF 320MWF 180MWF 320MWF 180MWF	701 701	M 7 F M 8 F M 7 P	129MN 90TP 65MN	1 MA 1 MA 1 MA 1 MA	ALC ALALA ALAMO	S S O Y S S O Y	BC3490 BC3470 BC3490 BC387 BC3474	2N3903 2N3904 2N4401	0 0 0
2SC634A 2SC639 2SC641H 2SC644 2SC645	NS NS	T018 X21 T092	L42 L01 L45 L21	40V 40V 1 25V	15\ 25\	5 V 5 V	100MA	125C 175C 125C 125C 125C	32CMWF 360MWF 100MWF 150MWF 140MWF	375 200 75	M 3F M 9F M 10F	80TP 35MN 350TP	1 0 M A 1 C M A 1 M A	A VES	SNIF	J   8 SW 6 4 F   BC 1841	2N2369 2N2222 2N3707	0
2SC646 2SC647 2SC648H 2SC649 2SC650	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5 TO1 5 TO1	L0:	5 80V 2 30V 2 30V	25 25 25	5V V 6V V 6V	30M/	150C 150C 150C 150C 175C	50 WG 50 WG 100 MWF 100 MWF 200 MWF	1	M	20/200 20/30 160MN 60MN 100MN	1 COU/ 100U/	A ALI	H MAI N HI. G HI.	B DY 23 F BDY 25 J BC 109 J BC 107 J BC 109	2N3445 2N930 A157 2N930	0 0 0
25C651 25C652 25C654 25C655 25C656	N N	T 05 T 05 T 012 S X 23 S X 23	L04 L04 L54 L54	4 40 V 9 40 V C 10 V	35	v   3 v	300M/ 300M/ 10M/	150C 150C 150C 175C 125C 125C	75CMWI 750MWI 800MWI 75MWI 50MWI	= 800 = 500	M 3P!	20MN 5 40MN	50 M	A UM	A NI A NI N MA	P P	2N3904 2N918	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		B IAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2SC657 2SC663 2SC664 2SC665 2SC668	NS NS NS NS	X20 T018 T03 T03 T092	L42 L01 L05 L05 L21	18V 25V 100V 125V 15V	18V 12V 50V 75V	3V 2V 5V 5V 3V	30MA 20MA 5A 5A 30MA	150C 150C 175C 150C 125C	150MW 150MWF 100WC 100WC 120MWF	250M 450M 10M 10M 275M	2P 3P 2P	50TP 40TP 35/200 35/200 60TP	4MA 10MA 1A 1A	VLA VLA RHG RHH VLA	YOS TIM LIH LIH SAN	BFX73 BDY23 BDY25	2N918 2N918 2N3445 2N918	00000
2SC674 2SC679 2SC680 2SC680A 2SC681	NS NS NS NS	T092 X03 T066 T066 T03	L21 L05 L43 L43 L05	200V	120V 140V 70V	3V 6V 6V 6V 5V	30MA 2A 2A 2A 6A	125C 175C 175C 175C 175C	120MWF 35WC 8WC 8WC 50WC	375M 10M	2 P	80TP 35/200 60/240 45/180 100TP	1MA 100MA 200MA 200MA 200MA	VLA RHE RHH RHH RHE	HIJ HIJ		2N918 2N5050 2N5050 2N3739	0 0 0 0
2SC681A 2SC682 2SC683 2SC684 2SC685	NS NS NS NS	T03 T072 T072 X21 T03	L05 L06 L06 L45 L05	250V 20V 20V 30V 300V	80V 20V 20V 19V	5V 3V 3V 2V 3V	6A 30MA 20MA 50MA 100MA	175C 175C 175C 125C	50WC 180MWF 180MWF 200MWF	275MO	R94	80TP 30MN 30MN 40TP 30/150	200MA 2MA 2MA 10MA 50MA	RHE TIA FVG TUO RHE	LIH		2N3739	0 0 0
25C685A 25C686 25C687 25C689H 25C693	NS NS NS NS	T05	L43 L04 L05 L01 L21	300V 150V 150V 40V 40V	300 V 150 V 15 V	4 V 6 V 6 V 5 V 5 V	100MA 50MA 5A 100MA 50MA	1 50C	6 WC 800MWF 5 GWC 300MWF 100MWF	12M 90M 100 M 90 M	5P 7P 6P	30/160 90TP 14/33 40MN 240TP	50MA 25MA 5A 10MA 1MA	RLE VLE RHH ALG ALG	PIN TAM LIH	BF259 BDY25 BC107	2N3739 A157 2N3710	0 0 0 0
25C694 25C696 25C696A 25C697 25C697A	NS NS NS NS	T039 T039 T037	L21 L04 L04 L47 L47	130V	60 V 80 V 60 V	5V 5V	50MA 3A 3A 3A	125 C 175 C 175 C 175 C 175 C	100MWF 750MWF 750MWF 10WC 10WC	90M 35M 35M 35M 35M	6P	240TP 28MN 28MN 30/173 30/173	1 MA 5 COMA 500 MA 100 MA 100 MA	ALG AHG AHH RHG RHH	MAT MAT MAT	BSV64 BSV64 BDY78	2N3710 2N4877 2N4877 2N5050	0 0 0
2SC700 2SC701 2SC705 2SC707 2SC707H	NS NS NS NS	1039 1092 1072	L04 L04 L21 L06 L06	60 V 40 V 15 V 20 V 20 V	40 v 25 v 20 v 20 v	3V 3V 2V	750MA 750MA 30MA 20MA 20MA	1	5WC 5WC 120MWF 150MWF 150MWF	150M 400M 325M 325M		5MN 30TP 80TP 25MN 25MN	100MA 50MA 1MA 2MA 2MA	RMG RMG VLA TUM TUM	OBS SAN HIJ	BSW54 BFX73 BF182	2N2219 2N2219 2N918	
2SC708 2SC708A 2SC708AH 2SC708H 2SC709	NS NS NS NS	1039 1039 1039	L04 L04 L04 L04 L40	60V 90V 60V 60V 25V	30 V 60 V 30 V 30 V 12 V	4V 4V 4V	1A 1A 1A 1A	175C	750MWF 750MWF 750MWF 750MWF 200MWF	100 M 25 M 25 M	5P	35MN 35MN 30MN 30MN 70TP	50 MA 50 MA 50 MA 50 MA 1 MA	R MG R MG	LIH LIH LIH	BSW54 BFY50 BFY50	2N2219 2N2219 2N2297 2N2297 2N2297 2N3710	A 0
2SC710 2SC711 2SC711A 2SC712 2SC712A	NS NS NS NS	T092 T092 T092	L40 L40 L40 L40	30V 50V 30V	25V 25V 45V 25V 25V	4V 4V 4V		125C 125C 125C	200MWF 200MWF 200MWF 200MWF 200MWF	75 M	3P5 5P 5P 5P	300TP	1MA 1MA 1MA 10MA	ALN ALN ALC	MIT	BC 184L BC 184L BC 182L	2N3710	
25C713 25C714 25C715 25C716 25C717		T092 T092 T092	L40 L40 L21 L21 L45	70V 40V 20V		5V 5V 5V	200MA 100MA	125C 125C 125C 125C	200MWF 250MWF 125MWF 125MWF 200MWF	100M 100M 100M	5 P 1 4 P 6 P 6 P 2 P	60 TP 80 TP 80 TP	1 MA	AMG AMG	MIT	BC182L BCW36 BCW36 BCW36 BFY90	2N3710 2N3704 2N3704 2N3704 2N3704 2N2857	0
25C722 25C727 25C730 25C732 25C732/8	NS NS NS	T018 T039 T098	L21 L01 L04 L21 L21	100V 40V		3 V 5 V	100MA		120MWF 350MWF 1200MWF 300MWF 300MWF	10M 250M 40M	10P	90TP 50TP 200MN	10MA 100MA 2MA	VMC ALN	i FUJ	BSW54 BC184L		A 0
2SC732/G 2SC732/V 2SC733 2SC733/B 2SC733/G		1098	L21 L21 L21 L21 L21	35V 35V 35V	30 V 30 V 30 V 30 V	5V 5V 5V	100MA 100MA 100MA	125C 125C 125C 125C 125C	300MWF 300MWF 300MWF 300MWF 300MWF	40M 80M 80M	10P 14P	600MN 70MN 350MN	2MA	AL ALC	105 105 105		2N3707 2N3710 2N3710	0 0
2SC733/0 2SC733/Y 2SC734 2SC734/G 2SC734/0		1098	L21 L21 L21 L21 L21	35V 70V 70V	30 V 50 V 50 V	5 V 5 V 5 V	100MA 150MA	125C 125C 125C 125C 125C	300MWF 300MWF 300MWF 300MWF 300MWF	80M 75M 75 M	14P 10P 10P	120MN 40MN 200MN	2MA 20MA 20MA	AL AL H		BC182L	2N3710 2N3710 2N3710	0 0
2SC734/R 2SC734/Y 2SC735 2SC735/G 2SC735/0	NS NS NS	1098 1098	L21 L21 L21 L21 L21	70V 35V 35V	50 V 30 V 30 V	5V 5V 5V	150MA	125C 125C 125C 125C 125C	300 MWF 300 MWF 300 MWF 300 MWF 300 MWF	75M 150M 150M	10P 14P 14P	120MN 40/400 200MN	20MA	ALF AMO	T 05	BC182L BCW36		0 0
2SC735/R 2SC735/Y 2SC736 2SC738 2SC739	NS NS NS	T098	L21 L21 L05 L21 L21	35V 135V 25V	30 V 60 V 12 V	5V 5V 4V	400MA 5A 20MA	125C 125C 175C 125C 125C	300 MWF 300 MWF 50 WC 150 MWF	150M 200M		120MN 25/70 60TP	1MA	RHG VLA	TOS OBS	BCW36 BCY23	2N3704 2N3704 2N3445 2N918 2N918	0
25C740 25C741 25C752 25C752G 25C752G/0	NS NS NS	1039 1098 1098	L02 L04 L21 L21	40V 30V 40V	24\ 12\ 15\	3V 4V 5V	300MA 100MA 200MA	175C 175C 125C 125C 125C	150 MWF 800 MWF 100 MWF 200 MWF 200 MWF	250 M 150 M 200 M	3 P 6 P 6 P 6 P	30TP 80TP 40/240	10 MA 100 MA 10 MA 10 MA	VM / VLS	MIT 5 TOS 5 TOS	BFX73 BSW54 BSX20 BSX20 BSX20	2N918 2N2219 2N2369 2N2369 2N2369	0
2SC752G/F 2SC752G/F 2SC756 2SC761 2SC762	Y NS		L21 L04 L06	40V 130V 30V	15\ 40\ 20\	5V 6V 2V	200MA 4A 20MA	125C 125C 150C 175C 175C	200MWF 200MWF 10WG 150MWF	200M 30M 330M	0R56	120MN 80MN 13MN	10MA 100MA 2MA	VLS AMI	TOS SOY	BSX20 BSX20 BSW66 BF180 BF181	2N2369 2N2369 2N1893	0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
25C763 25C764 25C766 25C767 25C769	NS NS NS NS	T092 T018 T03 T03 T03	L21 L01 L05 L05 L05	25V 40V 120V 180V 120V	12V 15V 80V 120V 80V	3 V 4 V 5 V 5 V	20MA 500MA 2A 2A 10A	125C 175C 150C 150C 150C	100MWF 360MWF 30WC 30WC 50WC	235M 500M	3P 4P	70TP 40MN 20/180 20/180 10/110	1MA 10MA 1A 1A 2A	VLA VLS RHH RHH RHH	OBS OBS	BFX73 BSX20 BU123 BU123 BU123	2N918 2N2369A	0000
2SC770 2SC773 2SC774 2SC775 2SC776	NS NS NS NS	T092 T039 T039	L05 L21 L04 L04 L04	200V 50V 50V 75V 75V	100V 30V 30V 50V 50V	5V 4V 4V 4V	10A 200MA 500MA 1A 1A	150C 125C 200C 200C 200C	50WC 250MWF 800MWF 800MWF 1WF	125M 100M 100M 100M	20 P 20 P	10/110 35MN 20MN 5MN 5MN	2A 10MA 100MA 500MA 500MA	RMG	MIT MIT MIT	BU123 BCW36 BSW54 BSW54 BSW54	2N3704 2N2219A 2N2219A 2N2219A	0
2SC777 2SC778 2SC780 2SC780AG 2SC780AG0	NS NS NS NS	1098	L47 L43 L21 L21 L21	75V 80V 70V 150V 150V	50V 50V 70V 150V 150V	4V 4V 2 V 5 V 5 V	1A 2A 20MA 30MA 30MA	20 0C 20 0C 12 5C 12 5 C 12 5 C	2WF 2500MWF 200MWF 150MWF 150MWF	75 M 75 M 50M 50M 50M	20P 20P 5P 7P 7P	5MN 5MN 60TP 40/240 70/140	500 MA 500 MA 2 MA 2 MA 2 MA	RMG RHG ALH ALH ALH	MIT MIT TOS TOS	BDY78 BC394 BC394		00000
2SC780AGR 2SC780AGY 2SC780G 2SC781 2SC782	NS NS NS NS		L21 L21 L21 L04 L43	150V 150V 80V 75V 300V	150V 150V 80V 40V 300V	5V 5V 5V 5V	30MA 30MA 20MA 1A 1500MA	125C 125C 125C 175C 150C	150MWF 150MWF 100MWF 800MWF 20WC		7 P 7 P 7 P 20 P 100 P	40/80 120MN 40MN 80TP 30/250	2MA 2MA 2MA 150MA 100MA	ALH ALH RMG	TOS NIP	BC394 BC394	2N22194 2N3739	00000
2SC782A 2SC783 2SC784 2SC784/B 2SC784/R	NS NS NS NS	T098 T098	L43 L43 L21 L21 L21	300V 200V 40V 40V 40V	300V 200V 30V 30V 30V	5V 5V 4V 4V	1500MA 1500MA 20MA 20MA 20MA	150C 150C 125C 125C 125C	25WC 25WC 100MWF 100MWF 100MWF	5M 250M 250M	0R 9	30/250	100MA 100MA 1MA 1MA 1MA	RHE FVG FVG	TOS TOS TOS	BF200 BF200	2N3739 2N3739	0 0 0 0
2SC784/0 2SC785 2SC786 2SC787 2SC788	NS NS NS NS	1098 1072 1072	L21 L21 L06 L06 L04	40V 40V 20V 25V 250V	30V 30V 12V 20V 150V	4 V 4 V 2 V 3 V 5 V	20MA 20MA 20MA 20MA 50MA		100MWF 100MWF 200MWF 150MWF 800MWF	200M 300M	0R9 0R55	70/140 25MN 20MN 25MN 100TP	1 MA 1 MA 4 MA 2 MA 1 O MA	FRM FRM TUG	TOS TOS	BF185 BF185 BF183		0 0 0 0
25C789 2SC789/R 2SC789/O 2SC789/Y 2SC791	NS NS NS NS	TOP 66 TOP 66	L32	60V 60V 60V 60V 90V	60V 60V 60V	5 V 5 V 5 V 5 V	4A 4A 4A 4A 1500ma	150C	30WC 30WC 30WC 30WC 15WC	3M 3M 3M		40/240 40/80 70/140 120MN 40/250	500MA 500MA 500MA 500MA 200MA	AHH AHH	TOS TOS TOS TOS	BD589 BD589	2N6123 2N6123 2N6123 2N6123	0 0 0
2SC792 2SC793 2SC793/B 2SC793/R 2SC793/Y	NS NS NS NS	T03 T03 T03	L05 L05 L05 L05	100V 100V 100V	300 V 80 V 80 V 80 V	5V 5V 5V	1500MA 7A 7A 7A 7A	150C 150C 150C	5 CW C 6 OW C 6 OW C 6 OW C	5 M 5 M	400P 400P 400P 1400P	85/200 30/70	300MA 1A 1A 1A	RHH RHH RHH	TOS	1		0 0 0
2SC795 2SC796 2SC797 2SC798 2SC799		T05	L05 L04 L04 L04	60V	200V 30V 35V 35V 40V	2V 2V 4V	100MA 500MA 500MA 1500MA 3A	175C 175C 175C	9WC 500MWF 500MWF 700MWF 10WC	115 N 75 N 45 N	10P	30TP		VMS	FU.	BDY79 BSX59 BSX59 BFY50 BSV64	2N5050 2N3725 2N3725 2N2297 2N4877	0 0
2SC802 2SC803 2SC804 2SC805 2SC815	NS NS NS	T05 T072 T05	L04 L04 L04 L04	60V 15V 100V	35\ 13\ 100\	4V 5V		175C	1 WF 5 WC 1 50 MWF 7 50 MWF 2 50 MWF	600N 80N	10R45	20/300 50TP		AHC A TUC	FU. S SOY	BFY65	2N2297 2N2297 2N1990 2N3704	0 0 0
2SC816 2SC818 2SC821 2SC822 2SC825	N: N: N: N:	5 105 5 1039 5 1039	L04 L04 L04 L04	160V 40V 40V	20 20 20	5V 4V 4V	600MA	200C 150C 175C 175C 175C	1 WI 800MWI 1700MWI 2500MWI 30WI	501 1751 2001	<del>1</del> 1		100M/ 100M/ 100M/ 100M/ 500M/	A RMI	G MA		2N2219 2N1893 2N2219 2N2219 2N3739	0 A 0 A 0
2SC826 2SC827 2SC828 2SC828A 2SC829	N N N	S T05 S T092 S T092	L 2	1 100 V 1 30 V 1 45 V	60° 30° 45°	6 V 7 5 V 7 5 V	300M/ 50M/ 50M/	175C 175C 125C 125C 125C	700MWI 700MWI 250MWI 250MWI 250MWI	F 101	4 20F	370TP 65MN 65MN	50M/ 50M/ 2M/ 2M/ 1M/	A AL	H FU G MA G MA	J BSW66 T BC1821	_ 2N3710	0 0
2SC830 2SC833 2SC838 2SC839 2SC840	N N N N N N	S 1066 S 1092 S 1092	L4: L2: L2	3 450V 1 50V 1 50V	300 25 25	V 5V V 5V	30M/ 30M/	1	25W 25W 250MW 250MW 250W	C 100 F 125 F 125	M M 3P M 5		1 100M 500U 500U	A RH A AL A AL	N NI N NI	S   P   BC 1841		7 0
2SC840A 2SC844 2SC845 2SC847 2SC848	2 2 2 2 2	S T05 S T05 S T018	LO LO	4 40\ 4 55\ 1 30\	/ 17 / 30 / 20	V 2V V 3V5 V 5V	400M 400M 200M	A 175C A 175C A 175C		C 400 C 400 F 35	M		10M	MU A MU A	S FU	J BSW54 J BSW54 J BSX33	2N5050 2N2219 2N2219 2N731 2N731	9A 0
2SC849 2SC850 2SC851 2SC852 2SC854	N	- 1	LO	1 50\ 5 50\ 9 45\	/ 30 / 25 / 25	V 7V V 5V V 3V	500M 8 80M	A 175C A 200C A 175C	75W 500MW	F 35 C 110 F 800	M 3P	P 160TP 20/250	10M 5 20M	A VH	G FU	J BSX33 P BDY60	2N731 2N731 2N330	3 0
2SC855 2SC856 2SC857H 2SC858 2SC859	7	T05 S T01 IS T01 IS T09 IS T09	2 L2	2 150 2 150 1 20	V 150 V 150 V 12	V 5V V 5V	100M 200M 50M	A 1750 A 1750 A 1750 A 1250 A 1250	300MW 200MW 100MW	IF 25 IF 25 IF 90	M 20 M 20 M 6		10M 10M	A AL	H HI H HI N SA	BSX12 JBSX21 JBSX21 NBC184 NBC184	2N199 2N199	OR (

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	I C MAX	T J MAX	P TOT	F C MIN	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
2SC860 2SC864 2SC868 2SC869 2SC870	NS NS NS NS	T072 T072 T092 T092 T092	L06 L06 L40 L40 L40	15V 40V 130V 160V 30V	12V 30V 40V 40V 25V	3 V 4 V 5 V 5 V 4 V	30MA 25MA 30MA 30MA	125C	200MWF 200MWF 200MWF 200MWF 200MWF	400M 360M 75M 75M 75M		80TP 39MN 35MN 35MN 250TP	1 MA 7 MA 1 MA 1 MA	VLA TIA RLH RLH ALN	TOS MIT MIT	BF173 BSX21 BSX21	2N918 2N1990R 2N1990R 2N3707	0 0 0 0
2SC871 2SC875 2SC876 2SC890 2SC893	NS NS NS NS	T092 T039 T039 T039 T037	L40 L04 L04 L04 L47	30 V 75 V 50 V 40 V 100 V	25 V 75 V 50 V 20 V 60 V	4 V 4 V 4 V 3 V 6 V	30 MA 50 GMA 50 GMA 40 GMA 30 GMA	150C 175C	200MWF 500MWF 500MWF 4WC 12WC	75M 85M 85M 600M 10M	5P 10P 10P	350TP 100TP 100TP 20MN 50/370	1	ALN RMH RMG UMA RMH	SAN SAN NIP	BC 184L BSW54 BSW54 BDY78	2N 3707 2N 22 19A 2N 2 219A	ł
2SC895 2SC896 2SC898 2SC899 2SC900	NS NS NS NS	X03 T018 T03 T092 T092	L05 L01 L05 L21 L21	38CV 55V 15CV 5OV 3OV	90V 30V 100V 25V 25V	8 V 5 V 5 V 5 V	2500MA   200MA   7A   30MA   20MA	150C 150C 175C 125C 125C	18WC 300MWF 80WC 250MWF 250MWF	10M 100M 75M	7 P	20/350 70TP 25/200 115TP 250TP	100MA 5MA 1A 500UA 500UA	ALG RHH	N IP HIJ NIP	BCY79	2N3739 A157 2N5050 2N3707 2N3707	0 0 0
2SC901 2SC901A 2SC903 2SC904 2SC905	NS NS NS NS	103 103 1092 1092 1092	L05 L05 L40 L40 L40	200V 250V 35V 50V 65V	200V 30V 45V 60V	6V 6V 4V 4V	5A 5A 300MA AM00E AM00E		50WC 50WC 200MWF 200MWF 200MWF	75 N 75 M 75 M		14/25 14/25 100TP 100TP	5A 5A 150MA 150MA 150MA	RHE RHE AMG AMG AMG		1	2N3704 2N3704 2N3704	0 0 0 0
25C908 25C912 25C913 25C914 25C915	NS NS NS NS	T05 T01 T018 T018 T018	L04 L02 L01 L01 L01	40V 30V 40V 40V 40V	24V 25V 35V 35V 35V	3V 4V 5V 5V 5V	500MA 100MA 300MA 300MA 300MA	150C 175C 175C	5WC 150MWF 300MWF 300MWF 300MWF	400 M 75 M	5P 5P 5P	5MN 90TP 45MN 45MN 45MN	100MA 10MA 30MA 30MA 30MA	ALG RMS RMS	MIT NIP NIP	BC107 BSX20 BSX20	2N2219A A157 2N2369 2N2369 2N2369	0 0 0 0
25C916 25C917 25C918 25C923 25C924	NS NS NS NS	T08 T01 T072 T092 T092	L 12 L 02 L 06 L 21 L 21	100V 40V 20V 30V 30V	70V 40V 20V 25V 15V	6V 3V 3V 5V 5V	30MA 20MA	175C 175C 175C 125C 125C	2WF 30CMWF 375MWF 250MWF 250MWF	90M 200M	-	40/120 8MN 20MN 250TP 100TP	4 COMA 1 OMA 4 MA 500 UA 500 UA	RLG FRM ALN	HIJ SOY NIP	BC 184L	2N2782 2N918 2N3707 2N3710	0 0 0 0
25C926 25C927 25C928 25C929 25C930	NS NS NS NS	X20 T072 T072 T092 T092	L42 LC6 LC6 L21 L21	115V 30V 30V 15V 15V	115V 15V 15V 10V 10V	3 V 5 V 5 V 5 V	20MA 30MA	125C	100MWF 150MWF 150MWF 120MWF 120MWF	250M 250M 150M		50TP 80TP 80TP 100TP 80TP	1 MA 1 MA 1 MA 1 MA 1 MA	VLA VLA	SAN SAN SAN	BSX21 BFX73 BFX73 BFX73 BFX73	2N1990R 2N918 2N918 2N918 2N918	0 0 0 0
2\$C931 2\$C932 2\$C933 2\$C934 2\$C935	NS NS NS NS	TOP66 TOP66 TO106 TO106 TO3		50V 30V 50V 20V 300V	50 v 20 v 30 v 15 v 300 v	4 V 4 V 5 V 5 V 5 V	3A 3A 300MA 300MA 2500MA	125C 125C	1 CWC 1 CWC 200 MWF 200 MWF 1 2WC	60M 60M 250M 250M		70MN 70MN 100TP 100TP 8MN	1A 1A 20MA 20MA 300MA	1 '	SAN SAN SAN	BD589 BD589 BSW64 BSW64 BU120	2N6123 2N6123 2N2222A 2N2222A	
2SC939 2SC940 2SC941 2SC941/0 2SC941/R	NS NS	T03 T03 T098 T098 T098		150V 200V 35V 35V 35V	60 V 90 V 30 V 30 V	7 V 7 V 4 V 4 V 4 V	5A 20MA 20MA	150C 150C 125C 125C 125C	50WC 50WC 200MWF 200MWF 200MWF	80 M 80 M 80 M	3 P	15/120 15/120 40/240 70/140 40/80	2MA 2MA	RHH RLG	NIP TOS TOS	BDY23 BU120 BC182L BC182L BC182L	2N3445 2N3710 2N3710 2N3710	0 0 0 0
2SC941/Y 2SC943 2SC944 2SC947 2SC948		T098 T018 T092 T072 T072	L21 L01 L21 L06 L06	35 V 60 V 60 V 25 V 25 V	30V 40V 40V 20V 20V	4V 8V 8V 3V 3V	200MA 100MA 20MA		200MWF 300MWF 250MWF 150MWF 150MWF	200 M 325 M	6 P 3 P 0 R 7	120MN 80MN 60MN 10MN 24TP	10MA 2MA 2MA	RMG TUM	NIP NIP MAT	BC182L BSW64 BCW36 BF182 BF183	2N3710 2N2222A 2N3704	0 0 0 0
25C957 2SC959 2SC979 2SC979/0 2SC979/R	NS NS NS NS	T018	L06 LC4 L01 LC1 L01	30V 120V 70V 70V 70V	30V 80V 50V 50V 50V	3 V 5 V 5 V 5 V	100MA 700MA 100MA 100MA 100MA	175C 175C 175C	360 NWF 9WC 300 MWF 300 MWF 300 MWF	250M	1R1 5P 5P 5P	13MN 30/100 40/240 70/140 40/80	20 CMA 1 OMA 1 CMA	R MG R L G R L G	NIP TOS TOS	8F183 BSW54 BSW64 BSW64 BSW64	2N2219A 2N2222A 2N2222A 2N2222A	0
2SC979/Y 2SC979A 2SC979A/C 2SC979A/R 2SC980	NS NS	T018 T018 T018 T018 T092	L01 L01 L01 L01 L21	70V 100V 100V 100V 70V	50V 70V 70V 70V 50V	5V 5V 5V 5V	100MA 100MA 100MA 100MA 100MA	1750 1750 1750	300MWF 300MWF 300MWF 300MWF 200MWF	250M 250M 250M	5 P 5 P 5 P 5 P 6 P	120MN 40/240 70/140 40/80 70TP	10MA 10MA 10MA	RLG RLG RLG	TOS TOS TOS	B SW64 B SW64 B SW64 B SW64 B CW36	2N2222A 2N2222A 2N2222A 2N2222A 2N3704	0
25C980A/G 25C983 25C988 25C988 25C988	NS NS NS NS	T092 X19 T072 T072 T072	L21 L41 L06 L06 L06	90V 250V 20V 20V 20V	70 V 150 V 15 V 15 V 15 V	5 V 5 V 3 V 3 V 3 V	30MA 30MA	150C	200MWF 600MWF 150MWF 150MWF	60M 1500M 1500M	0P7 0R7	40MN 80TP 30MN 30MN 30MN	10MA 10MA 10MA 10MA	ALE SLA SLA	TOS OBS NIP	B SW64 B SX21	2N2222A 2N1990R	
2569888 256991 256992 256994 256995	NS NS NS NS	T072 T039 T039 T039 T039	L06 LC4 L04 L04 L04	20 V 36 V 36 V 36 V 30 0 V	15V 24V 36V 15V 300V	3 V 4 V 4 V 3 V 5 V	30MA 40CMA 600MA 100MA 150MA	175C 175C	150MWF 600MWF 600MWF 600MWF 800MWF	250M 250M 250M	10P 10P	30MN 30MN 30MN 70TP 25/240	100MA	RMG RMG RMG	TOS TOS OBS	BSW54 BSW54 BSW54 BF259	2N2219A 2N2219A 2N2219A	0
2SC996 2SC997 2SC998 2SC1000 2SC1006	NS NS NS NS	T037 T072 T039 T092 T018	L47 L06 L04 L21 L01	300 V 30 V 40 V 55 V 50 V	300 v 30 v 24 v 50 v 40 v	5 V 4 V 4 V 5 V	150MA 25MA 400MA 100MA 30MA	150C 175C 125C	1200MWF 175MWF 600MWF 200MWF 300MWF	350M 225M 40M		25/240 25MN 50TP 300TP 600TP	50MA	T1G RMG ALN	TOS OBS TOS	BF167 BSW54 BC184L BC109	2N3739 2N2219A 2N3707 2N930	0 0 0 0
2SC1010 2SC1012A 2SC1024 2SC1025 2SC1033		T018 T039 T066 T066	LC1 L04 L43 L43 L01	50V 250V 6CV 120V 200V	40V 50V 8CV 150V	5 V 5 V 4 V 4 V 5 V	34	175C 150C 150C	300MWF 2500MWC 25WC 25WC 300MWF	50 M	10P	550TP 20MN 70MN 80MN 30MN	40MA 1A 200MA	VLE AHG AHH	MAT SAN SAN	8C 109 BF259 BUY38 BDY72 BSX21	2N930 2N3054 2N3441	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P	F C T OB MIN MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	iss
2SC1C33A 2SC1047 2SC1C56 2SC1060 2SC1061	NS NS	T018 T092 T05 T0Q66 T0P66	L21 L64 L33	30 V	200V 20V 260V	5V 3V 5V 4V	15MA 100MA 3A	175C 125C 125C 150C	30 CMWF 150MWF 475MWF 25WC 25WC	75# 7P 325M 1R6 75M 10P	20 MN 40 MN 20 MN 80 TP 80 TP	1MA 1GMA 1A	TUM VLE AHG	MAT	BF259 BF182 BF259 BD589	2N6293 2N6123	00000
2SC1162 2SC1173/G 2SC1212 2SC1212A 2SC1173	NS NS	T0126 T0P66 T0126 T0126 T0P66	L32 L31 L31	35 V 45 V 60 V 90 V 45 V	30 v 30 v	5V 1 5V   4V   4V   5V	3A 1 A 1 A	150C 150C 125C 125C 150C	8WC 25WC 750MWF 750MWF 25WC	1 M	35/320 1 200MN 35/320 35/320 40/240	500MA 50MA 50MA	AMH	HIJ	BD169 BD169 BD169 BD169 BD589	2N4923 2N6123 2N4923 2N4923 2N6123	0 0 0
2 SC1173/R 2 SC1173/C 2 SC1173/Y 2 SD234 2 SD234/O	NS NS NS	TCP66 TOP66 TOP66 TOP66 TOP66	L32 L32 L32	45V 45V 45V 60V	1	5 V 5 V 5 V 10 V 10 V	3A 3A 3A	150C 150C 150C 150C 150C		1M 1M 1M 500K400P 500K400P	40/80 70/140 120MN 40/240 70/140	500MA 500MA 500MA 500MA 500MA	AHG AHG	TOS TOS	BD589 BD589 BD589 BD589 BD589	2N6123 2N6123 2N6123 2N6123 2N6123	0 0 0
2 SD2 34/R 2SD2 34/Y 2SD2 35 2SD2 35/O 2SD2 35/R	NS NS NS	TOP 66 TOP 66 TOP 66 TOP 66 TOP 66	L32 L32 L32	60 V 60 V 40 V 40 V 40 V	500	10v 10v 10v 10v 10v	3A 3A 3A	150C 150C 150C 150C 150C	25WC 25WC 25WC	500K400P 500K400P 500K400P 500K400P 500K400P	40/80 120MN 40/240 70/140 40/80	500MA 500MA 500MA 500MA 500MA	AHG AHG AHG	TOS TOS	BD589 BD589 BD589 BD589 BD589	2N6123 2N6123 2N6123 2N6123 2N6123	0 0 0 0
2SD235/Y 71T2 72T2 73T2 74T2	NS NS NS NS	10P66 105F 105F 105F 105F	L32 L44 L44 L44 L44	40V 80V 80V 80V 80V	35 v 60 v 60 v 60 v 60 v	10V 5V 5V 5V 5V	2 A 2 A 1 A	150C 175C 175C 175C 175C	25WC 2WF 2WF 2WC 2WC	500K 400P	120MN 30/90 75/200 30/90 75/200	500MA 1A 1A 200MA 200MA	АНН АНН ДМН	SEU SEU SEU	ED 589	2N6123	0 0 0
10012 10412 10812 10912 11112	NS NS NS NS	T03	L05 L05 L05 L05 L04	120V 60V 120V 160V 60V	80V 50V 80V 125V	10V 5V 10V 10V 4V	5A 30A	175C 200C 200C 200C 175C	85WC 85WC 175WC 175WC 800MWF	10M 10M	3C/80 20MN 20/60 20/60 3C/120	2A 2A 10A 10A 150MA	AHG RHH RHH	SEU SEU SEU	B 0 7 5 8	2N3442 2N3442	0 0 0
111T2/18 180T2 181T2 182T2 183T2	NS NS NS NS	103 103		60V 60V 100V 200V 300V	60V 90V 140V 180V			175C 200C 200C 200C 200C	50CMHF 87HC 87WC 87WC 87WC	10M 10M 10M 10M	30/120 15/45 30/90 75/180 15/45	150 MA 2A 2A 2A 2A	R HG RHH	SEU SEU SEU	BDY25 BDY25		0
184T2 185T2 40C22 40C50 4CC51	NS NS PG PG	T03 T03	L05 L05 L05 L05	320	200v 250v	10V 10V 5V 5V	6A 6A 5A 5A	200C 200C 100C 100C 100C	87WC 87WC 12WC 12WC 12WC	10M 10M 150K 250K 250K	30/90 75/180 38MN 50MN 50MN	2A 2A 1A 1A	AHG	SEU RCU RCU	BDY28	2N1536 2N1536 2N1536	0 0 0 0
40084 40217 40218 40219 40220	NS NS NS NS	1046 1046 1046	LC1 LC1 LC1	25V 40V	40V	5 V 3 V 5 V 5 V 5 V	1A 5CMA 20CMA	200C	500MWF 300MWF 300MWF 360MWF 300MWF	200M 10P 200M 5P 300M 6F	20MN 30MN	10MA 10MA	ALC ALC	085 085	BSX33 BC107 BC107 BC107 BSW64	2N731 A157 2N2222	0 0 0
40221 40222 40231 40232 40233	NS NS NS	TC46 TO18 TC18	LC1 LC1 LC1 LC1	25 V 18 V 18 V	15V 18V 18V 18V		200MA 100MA 100MA 100MA	175C 175C	360MWF 300MWF 500MW 500MWF 500MWF	200M 30N 44F 30N 44F	20MN 55/180	10 M A 2 M A 2 M A	ALN ALN	S DBS N RCU N RCU	BSX20 BSX20 BC107 BC107 BC107 BC109	2N2 36 9 2N2 36 9 2N9 30	0 0 0 0
40234 40235 40236 40237 40238	NS NS	1072 1072 1072	F06	45V 45V 45V		5 V 4 V 5 4 V 5 4 V 5 4 V 5	50MA	175C 175C 175C 175C 175C	400MWF 180MWF 180MWF 180MWF 180MWF	500MDP65 500MDP65 500MDP65	40/275 27/275	1 M A	TU	M RCI	BC107 8F130 BF182 BF183 J BF173		0 0 0 0
40239 40240 40242 40243 40244	N N N N N N N N N N N N N N N N N N N	5 TO72 5 TO72 5 TO72	F C G	45V 45V 45V		4V5 4V5 4V5 4V5 4V5	50MA 50MA	1750 1750 1750 1750 1750	180MWF 180MWF 180MWF 180MWF	400MDP6' 0P6 IR3		1 M / 1 M / 1 M /	TI	G RCI G RCI M RCI	BF167 BF167 J BF200 J BF185 U BF185		0 0 0
40245 40246 40250 40250V1 40251	2272	S T072 S T066 S T066	LOC L4	5 45V 3 50V 3 50V	401	5 V	44		18 CMWF 18 OMWF 29 WC 6 WC	IR	70/275 27/90 25/100 25/100 15/60	1500M	A FR A AH A AH	M RC G RC G RC	U BF134 U BF185 U BUY38 U BDY20	2N3054 2N3055	0
40253 40254 40255 40256 40261	P P N	G TO1 G TO3 S TO5F	1 -	5 32V 4 450 V 4 300 V	350 250	5V 7V	500MA 54 14 10MA	100C 200C 200C	125 M N F 1 2 W C 1 0 W C 1 0 W C 8 0 M W F	150K 20M 20M	50MN 38MN 40/160 40/160 7 80TP	2 CM 2 OM	A AH A TV A TV	G RC H DB M DB	S AC128 U ASZ16 S BF258 S BF257 S AF124		
40262 40263 40264 40269 40283	P P P	G TO1 G TO1 S OBS G TC5 S TO46	2 FO 08 FO FO	2 20 \ S 300 \ 4 25 \	300	127	10M/ 50M/ 100M/	100C 150C	120MWF	F 12M	160TP 30/150 50MN	1 M 50 M 1 12 M	A AL	.G   OB .E   OB .G   OE	S AC125	2N406 2N4927 2N1188	3 (
40294 40295 40296 40309 40310		S TC7. IS TC7. IS TC7. IS TC5.	2 LC 2 LC	6 35° 6 30° 4	V 20 V 18		700M	200C 200C 200C A 200C A 200C	200MWI 200MWI 1WI	F 700M 1P F 50M	P 30/150 5 30/200 30MN 70/350 20/120	2 M 1 M 5 O M	A VI	A RO	BFY90 BFY90 BS BFY90 U BFY50 U BUY38	2N2857 2N2857 2N2297	7   1

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		B IAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
40311 40312 40313 40314 40315	NS NS NS NS	TC5 TO66 TO66 TO5 TO5	L04 L43 L43 L04	60V 300V	30V 40V 35V	2V5 2V5 2V5	700MA 4A 2A 700MA 700MA	200C 200C 200C 200C 200C	1WF 29WC 35WC 1WF 1WF	50M 375K 50M 50M		75/350 20/120 40/250 35/150 70/350	50MA 1A 100MA 50MA 50MA	AMG	RCU RCU RCU RCU RCU	BUY38 BFY50	2N2 297 2N3 054 2N2 297 2N2 297	0 0 0 0
40316 40317 40318 40319 40320	NS NS NS PS NS	T066 T05 T066 T05	L43 L04 L43 L64 L64	300V	40V 40V 150V 40V 40V	5V 2V5 6V 2V5 2V5	44 700MA 2A 700MA 700MA	200C 200C 200C 200C 200C	29WC 1 WF 35WC 1WF	375K 50M		20/120 40/200 50MN 35/200 40/200	1A 10MA 500MA 50MA 10MA	AHE RMG	RCU	8FY50 8DY72 8FS95	2N3054 2N2297 2N3441 2N4036 2N2297	0 0 0
40321 40322 40323 40324 40325	NS NS NS NS	T05 T066 T05 T066 T03	L04 L43 L04 L43 L05	35 V	300V 300V 18V 35V 35V	5V 6V 2V5 2V5 5V	1 A 2 A 700 MA 4 A 15 A	200C 200C 200C 200C 200C	1WF 35WC 1WF 29WC 117WC	50M 375K		25/200 75MN 70/350 20/120 12/60	20MA 500MA 50MA 1A 8A		RCU RCU RCU RCU	8FY50 BUY38	2N3439 2N6235 2N2297 2N3054 2N3055	0 0 0 0
40326 40327 40328 40346 40346V1	NS NS NS NS	T05 T05 T066 T05	L43	300V 300V 175V 175V	40V 100V 100V	2 V 5 5 V 6 V 4 V 4 V	700MA 1A 2A 1A 1A	200C 200C 200C	1 WF 1 WF 35 WC 1 WF 1 WF	10 M 10 M		40/200 40/250 20MN 25MN 25MN	1 CMA 2 CMA 1 A 1 OMA 1 OMA	AME AHE AME		BUY60	2N2297 2N3439 2N6235 2N3439	0 0 0
40346V2 40348 40348V1 40348V2 40349	NS NS NS NS	T05F T05 T05F T05	L44 LC4 L04 L44 L04	175V 90V 90V 90V 160V	100V 65V 65V 65V 140V	7V 7V	1A 1500MA 1500MA 1500MA 1500MA	200C 200C 200C	1 WF 1 WF 5 WF 12 WC 1 WF			25MN 30/100 30/100 30/100 25/100	10MA 300MA 300MA 300MA 150MA	AHG AHG AHG	RCU RCU RCU RCU	8FY50	2N2297 2N2197 2N5082	0 0 0
40349V1 40349V2 40350 40351 40352	NS NS NS	105F 1072 1072 1072	LC4 L44 L06 L06 L06	160V 160V 35V 35V 35V	140V 140V		1500MA 1500MA 25MA 25MA 25MA	200C 175C 175C	1WF 1WF 180MWF 180MWF 180MWF			25/100 25/100 40MN 40MN 27MN	150MA 150MA 2MA 2MA 2MA	AME ULA ULA	RCU RCU OBS OBS	BFX73	2N918 2N918 2N918 2N918	0 0 0 0
40354 40355 40360 40361 40362	NS NS NS NS	T018 T05 T05 T05	L01 L04 L04 L04	70V 70V	150V 150V 70V	5V 5V 4V 4V		200C	500MWF 1 WF 1 WF 1 WF 1 WF	50M 50M	3P5 3P5	55TP 55TP 40/200 75/350 35/200	10MA 10MA 10MA 50MA 50MA	T VM AMH AMG	RCU	BSW66 BFY50	2N4 00 1 2N2 29 7 2N 40 3 6	0 0 0 0
40363 40364 40366 40367 40372	NS NS NS NS	103 1066 105 105	LC5 L44 L04 L04 L04	70V 60V 120V 100V 90V	65 V 55 V 55 V	12 V	15A 7A 1A 1500MA 4A	20 0C 20 0C 2 00 C	115WC 35WC 1WF 1WF 6WF	8 M		20/70 35/175 40/120 35/100 25/100	4A 500MA 150MA 200MA 500MA	AHG AMH AHG	RCU RCU RCU	BDY79 BSW66 BFY50	2N3055 2N3738 2N4001 2N2297	0 0 0
40347 40347V1 40347V2 40373 40374	NS NS NS NS	TOSE		60V 60V 60V 160V 250V		7V 7V 7V	1500MA 1500MA 1500MA 4A 5A	200C 200C 200C	1WF 4 WC 1 L WC 6WF 15WF		20P	25/100 25/100 25/100 20/80 40MN	450MA 450MA 450MA 500MA 100MA	AMG AMG AHE	RCU RCU RCU		2N2297	0 0 0
40375 40385 40389 40390 40391	NS NS NS PS	<b>T</b> C5	L43 L04 L04 LC4 LC4	60V 300V	50V 350V 40V 250V 40V		7A 1A 700MA 1A 1A	200C 200C 200C	6 WF 1 WF 1 WF 3 W5 A 3 W5 C	15M 100M 15M	10P 15P	40/160 50/250	500MA 20MA 150MA 20MA 150MA	RME AHG AME	RCU RCU RCU	BUY60 BFY50	2N3439 2N3053 2N3439 2N4036	0 0 0 0
40392 40394 40397 40398 40399	NS PS NS NS	T05F T018 T018	L44 L44 L01 L01	60V 60V 25V 25V 18V	40V 40V 25V 25V 18V		700MA 1 A 200MA 200MA 200MA	200C 175C 175C	7 WC 1 WF 500 MWF 500 MWF 500 MWF	60M 50M 50M	30P 20P 20P	50/250 165MN 75/300	150MA 150MA 10MA 10MA 10MA	AMG AMG AMG	RCU RCU RCU	BFS95 BSX33 BSX33	2N2197 2N4036 2N731 2N731 2N731	0 0 0 0
40400 40403 40404 40405 40406	NS PG NS NS PS	T018 T05 T046 T046 T05	L01 LC4 LC1 LC1 LO1	18V 30V 40V 40V	18V 16V 50V	20 V 5 V 5 V	200MA 200MA 500MA 700MA	85C 175C 200C	500MWF 200MWF 1WF 300MWF 1WF			15MN 25MN	10MA 10MA 50MA 100UA	AMG AMG RMG	OBS OBS RCU	AC Y17 BS X33	2N731 2N1188 2N731 2N22224 2N4036	0 0 0
40407 40408 40409 40410 40411	NS NS NS PS NS	T05 T05	L04 L04 L04 L04 L05	90V 90V 90V	50 V 90 V	4 V 4 V 4 V 4 V	700MA 700MA 700MA 700MA 30A	200C 200C 200C	1 WF 1 WF 3 WF 3 WF 150 WC	50M 50M 50M		40/200 40/200 50/250 50/250 35/100	10MA 150MA 150MA	AMH	RCU RCU RCU	BSW66 BSW66	2N2297 2N4001 2N4001 2N4929 2N3772	0 0 0 0
40412 40412V1 40412V2 40413 40414	NS NS NS NS	T05 T05F T072 T072	L03 L03 L44 L06 L06			3V 3V 3V 3V 2V5	1 A 1 A 1 A 40MA	200C 200C 200C	1 WF 4 WF 1 WF 200 MWF 200 MWF			40 MN		AME	RCU RCU RCU	BUY60 BFY90	2N3439 2N3439 2N2857 2N2857	0 0 0 0
40421 40422 40423 40424 40425	PG NS NS NS	T03 T066 T066			50V	1 V5 2 V 2 V 2 V 2 V	5A 150MA 150MA 150MA 150MA	150C 150C	50HC 8HC 3H8F 8HC 3H8F	2M 25 M 25 M 25 M 25 M		62/175 50/250 50/250 30/150 30/150	1 A 50MA 50MA 50MA 50MA	R ME RM E	08S 08S 08S	AL103	2N1906 2N3739 2N3739 2N3739 2N3739	0 0 0
40426 40427 40439 40440 40444	NS NS PG PG NS	T066 T03 T03 T03	L43 L05 L05	300V 300V 320V 200V 120V		2V 2V 2V 2V 7V	150MA 150MA 10A 10A 20A	150C 85C	8 WC . 3 W8 F 40 WC 40 WC 140 WC	25 M 25 M		20/100 20/100 15MN 15MN 20MN		RME RHE RHE	RCU	AU106 AU106 BDX50	2N3739 2N3739 2N5155 2N5155 2N3773	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	I C MAX	T J MAX	P TOT		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
40457 40458 40459 40462 40464	NS NS PG NS	TC18 T046 T03 T03	LC1 LC1 LC1 LO5 LO5	25V 60V 60V 40V 35V	25V 40V 40V 40V 35V	7 v 8 v 8 v 5 v 4 v	1 A 1 A 1 A 5 A 5 A	175C 175C 175C 100C	500MWF 500MWF 1WF 50WC 40WC	80M 150M 100M 300K 2M		60MN 50MN 100MN 50MN 30/170	1 A	RMG RMG RMG AHG AHG	CBS RCU	BSX33 BSX33 BSX33 ASZ16 BCY20	2N731 2N731 2N731 2N1536 2N3055	0 0 0 0 0
40465 40466 40491 40500 40519	NS NS NS NS	TC3 TC3 TO18 TO46	LC5 LC5 L43 LC1 LC1	40V 50V 300V 30V 40V	40V 50V 300V 30V 16V	4V 4V 2V 7V5 5V	5A 5A 150MA 200MA 500MA	150C 150C 150C 175C 200C	4CWC 40WC 3W8F 500MWF 1WF	2M 2M 13M 80M 300M	20 P	50/170 50/170 30/250 100MN 20MN	5CMA 1 OMA	AHG AHG RME AMG VMP	RCU	BDY20 BDY20 BSX33	2N3055 2N3055 2N3739 2N731	0 0 0 0
40537 40538 40539 40544 40595	PS PS NS NS PS	T05 T05 T05 T05 T05	LC4 LC4 LC4 LC4	55V 55V 55V 50V 95V		5V 5V 5V 5V 4 V	700MA 700MA 700MA	200C 200C 200C 200C 200C	1 WF 1 WF 1 WF 1 WF 1 WF	50 M 50 M 50 M 50 M		50/300 15/90 15/90 35/200 70/350	500MA 50MA	AMG	RCU RCU RCU	8FS95 8FS95 8FY50 8FY50 8SS18	2N4036 2N4036 2N2297 2N2297 2N5323	0 0 0 0
40594 40611 40612 40613 40616	NS NS PG NS NS	105 105 103 10066 105	L04 L04 L05 L33 L04	95V 25V 25V 25V	32V	4V 2V5 5V 5V 2V5	2A 700MA 5A 4A 700MA	200C 200C 100C 150C 200C	120CMhF 1			70/350 70/500 30/150 30/120 70/500	300MA 50MA 1A 1A 50MA	AHG AMG AHG AHG AMG	RCU	BSS42 BFY50 ASZ16 BFY50	2N5320 2N2297 2N1536 2N6293 2N2297	0 0 0 0
40618 40621 40622 40623 40624	NS NS NS PG NS	T0066 T0066 T0066 T03 T0066	L33 L33 L33 LC5 L33	45 V	30V 32V 40V	5V 5V 5V 5V	4A 4A 4A 5A 6A	150C 150C 150C 100C 150C	36 WC 36 WC 36 WC 13 WC 5 C WC			30/120 25/100 25/100 50/170 20/100	1500MA 1A	AHG AHG AHG AHG AHG	RCU RCU RCU	AS Z 16 BD X 7 2	2N6293 2N6293 2N6293 2N1536 2N6100	0 0 0 0
40625 40626 40627 40628 40629	NS PG NS NS	T03 TCQ66 T0C66	L03 L05 L33 LC4 L33	550	55 V 55 V 55 V 35 V	7 V 5 V 5 V 7 V 5 V	1 A 5 A 6 A 1 A 4 A	200C 100C 150C 200C 150C	3 h 5 F 1 3 h C 5 C W C 3 W 5 F 3 6 h C			100MN 50/170 20/100 100MN 20/70	150MA 2500MA 150MA	AHG AHG AMG	RCU RCU RCU RCU RCU	ASZ16 BD×72	2N1536 2N6100 2N6293	0 0 0 0
40630 40631 40632 40634 40635	NS NS PS NS	TC466 TC466 TC466 TC5 TC5	L33	75V 75V	40v 45v 60v	5 V 5 V 5 V 7 V 7 V	4A 4A 6A 700MA 700MA	150C 150C 150C 200C 200C	36WC 36WC 5ChC 1WF 1WF			20/70 20/70 20/70 50/250 50/250	150CMA 2A 3A 150MA 15CMA	AHG AHG AHG AMH AMH	RCU	BD X72 BFR23 BSW66	2N6293 2N6293 2N6100 2N4929 2N4001	0 0 0 0
4C636 A157 A157A A157B A158	NS NS NS NS	TC3 TC18 TC18 TC18	LC5 LC1 LC1 LC1 LC1	50V 50V 50V 30V	70 v 45 v 45 v 45 v 20 v	4 V 5 V 5 V 5 V	15A 100MA 100MA 100MA 100MA	200C 175C 175C 175C 175C	115WC 300MWF 300MWF 300MWF 300MWF	350K 150M 150M 150M	5 P 5 P 5 P 5 P	20/70 125MN 125MN 240MN 125MN	4 A 2 M A 2 M A 2 M A 2 M A	AHG ALG ALG ALG ALG	RCL AMP AMP AMP AMP	BDY20 BC107 BC107 BC107 BC107	2N3055 A157 A157 A157 A157	0 0 0
A158A A158B A158C A159 A159B	NS	T018 T018 T018 T018	LC1 LC1 LC1 LC1	30V 30V 3CV 30V 30V	20V 20V 20V 20V 20V	5V 5V 5V 5V 5 V	100MA 100MA 100MA 100MA 100MA	175C	300MWF 300MWF 300MWF 300MWF	1	5 P 5 P 5 P 5 P	125MN 240MN 450MN 240MN 240MN	2MA	ALN		BC107 BC107 BC107 BC109 BC109	A157 A157 A157 A159 A159	0 0 0
A159C A177 A178 A178A A173B	PS PS	T018 T018 T018 T018 T018	LC1 LC1 LC1 LC1	30V 50V 30V 30V 30V	20V 45V 25V 25V 25V	5V 5V 5V 5V 5V	100MA 100MA 100MA 100MA 100MA	175C 175C 175C	30CMWF 300MWF 30CMWF 300MWF 300MWF	150 M 100 M 100 M 100 M	5P 8P 8P 8P	450 MN 75 MN 125 MN 125 MA 240 MN	2MA 2MA 2MA	ALG	ДМР	BC109 BC177 BC177 BC177 BC177	A159 A177 A177 A177 A177	0 0 0
A179 A179A A179B A747A A747B	PS PS PS NS	T018 T018 T018 X09 X09	LC1 LC1 LC1 L10 L10	25 V 25 V 25 V 50 V 50 V	20V 20V 20V 45V 45V	5V 5V 5V 6V	100MA 100MA 100MA 200MA 200MA		30 CM WF 30 CM WF 30 CM WF 25 OM WF 25 OM WF	100 M 100 M 100 M 150 M 150 M	8 P 8 P 8 P 5 P 5 P	125MN 125MN 240MN 110MN 200MN	2 M A	ALN ALN ALA	A M P A M P A M P A M P A M P	BC179 BC179 BC179 BC147 BC147	A179 A179 A179 A747 A747	0 0 0
A748B A748C A749B A749C AC105	NS NS NS NS PG		L10 L10 L10 L10 L02	30V 30V 30V 30V 30V	20V 20V 20V 20V 18V	5V 5V 5V 5V 10V	200MA 200MA	125C 125C 125C 125C 125C 90C	25CMWF 250MWF 250MWF 250MWF 215MWF	150M 150M 150M 150M 500K	5P 5P 5P 5P 60P	200MN 420MN 200MN 420MN 40MN	2MA 2MA	ALA ALN ALN	AMP AMP AMP MUB OBS	BC149	A747 A747 A749 A749 2N2706	0 0 0 0
AC107 AC107N AC108 AC109 AC11C	PG PG PG PG	XC1 TO1 TO1 TO1	L07 L02 L02 L02 L02	15V 15V 20V 20V 20V	15v 12v 20v 15v 15v	100	10MA 10MA 50MA 50MA 50MA	750 750 800 800 800	80MWF 80MWF 30MWF 30MWF 30MWF	1M 500K 500K 500K 500K	50P 50P	35MN 35MN 30MN 50MN 75MN	1 M A	ALN ALA ALA		AC125 AC125	2N406 2N406 2N406 2N406 2N2431	0 0 0 0
AC113 AC115 AC116 AC117 AC120	PG PG PG PG	T01 T01 X04 X04 T01	LC2 LC1 LO1 LO2		16V 16V 18V 18V 20V	100	80MA 80MA 200MA 1A 300MA	75C 75C 90C 90C 80C	200MWF 200MWF 145MWF 1WH 210MWF	700K 700K 500K 500K 800K	60P 40P 40P	30MN 15MN 50MN 40MN 30MN	10MA 10MA 20MA 150MA 1COMA	ALA ALA AMG	0BS TFK	AC125 AC188K AC138K		0 0 0
AC121 AC121/4 AC121/5 AC121/6 AC121/7	PG PG PG PG	TOLA TOLA TOLA TOLA	F05 F05 F05	20V 20V 20V	20 v	10V 10V	300MA 300MA 300MA 300MA	90C 90C 90C 90C 90C	900MWH 900MWH 900MWH 900MWH	1 M 1 M	40P 40P 40P 40P		100MA 100MA 100MA 100MA	Δ Μ Δ Δ Μ Δ	SID SID	AC128 AC128 AC128	2N2706 2N2706 2N2706 2N2706 2N2706	0 0 0 0
AC122 AC123 AC124 AC125 AC126	PG PG PG PG	X04 X04	LC2 L01 L01 LC2 LC2	45V 45V 32V	32V 32V 12V	1 2V 1 2V 1 C V 1 O V	200MA 200MA 1A 100MA 100MA	90C	130MWF 145MWF 1WH 500MWH 500MWF	500K 500K 1M		50MN 40MN 50MN	20MA 150MA 2MA	AMG AL 4	TFK TFK	AC125 AC188K AC188K AC125 AC125		0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	F C T OB MIN MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
AC127 AC127/01 AC127Z AC128 AC128/01	NG NG NG PG	X04 T01 T01	L02 L01 LC2 L02 L01	32V 32V 60V 32V 32V	12V 12V 40V 16V 16V	10V 10V 10V	500MA 500MA 500MA 1A	90C 90C 90C 100C	340MWF 340MWF 175MWF 267MWF 1WH	1500K140P 1M100P 1M 90P 1M200P 1M 60P	50MN 24MN 25MN 45/165 55MN	500MA 500MA 500MA 1A 50MA	AMG AMG AMG AMG AMG	MUB MUB MUB MUB	AC176 AC176 AC176 AC128 AC188K	2N2430 2N2430 2N2430 2N2706	0 0 0 0
AC128K AC130 AC131 AC132 AC132/01	PG NG PG PG	TO1 TO1 A TO1	L01 L02 L02 L02 L02	32V 20V 30V 32V 32V	16V 15V 18V 12V 12V	10V 10V	1A 100MA 1A 200MA 200MA	100C 90C 90C 90C 90C	1 WH 145MWF 215MWF 500MWH 500MWH	1M 60P 2M 40P 500K 60P 1M 60P 1M 60P	55MN 5.0TP 40MN 135TP 135TP	50MA 1MA 150MA 20MA 20MA	ALA ALA ALA	VAL RTC TFK VAL VAL	AC188K AC176 AC128 AC125 AC188K	2N2430 2N2706 2N406	0 0 0 0
AC134 AC135 AC136 AC137 AC138	PG PG PG PG	T01 T01 T01 T01 T01	L04 L02 L02 L02 L02	20V 20V 40V 20V 32V	20V 20V 40V 20V 20V		250MA 250MA 250MA 250MA 1200MA	100C 100C 100C 100C 90C	185MWF 220MWF 220MWF 220MWF 720MWH	2M 14P 700K 60P 500K 70P 500K 70P 1M 80P	30MN 35MN 50MN 50MN 100TP	1 MA 50 MA 50 MA 1 MA 5 MA	ALA AMA ALA ALA AMG		AC 125 AC 126 AC 126 AC 126 AC 128	2N406 2N2431 2N2431 2N2431 2N2706	0 0 0 0
AC138H AC139 AC139K AC141 AC141K	PG PG PG NG	X04 T01	L02 L02 L02 L02 L01	50V 32V 40V 32V 32V	40V 20V 25V 18V 18V	3V 10V	1200MA 1200MA 1200MA 1200MA 1200MA	90C 90C 90C 90C 90C	720MWH 720MWH 420MWF 720MWH 720MWH	1M 80P 1M 80P 800K 80P 1M 90P 500K 60P	100TP 40MN 50MN 40MN 40MN	5MA 400MA 400MA 400MA 400MA		ITA ITA ITA	AC128 AC128 AC128K AC176 AC187K	2N2706 2N2706 2N2430	0 0 0
AC142 AC142K AC150 AC151 AC151/4	PG PG PG PG	X04 T01A T01A	L02 L01 L02 L02 L02	32V 32V 30V 32V 32V	20V 20V 18V 24V 24V	12V 10V	1200MA 1200MA 50MA 200MA 200MA	90C 90C 75C 90C 90C	720 MWH 860 MWH 100 MWF 900 MWH 900 MWH	1M 90P 500K 60P 1M 40P 1M 50P 1M 50P	40MN 40MN 50MN 30MN 30MN	400MA 400MA 2MA 2MA 2MA	AMG AMG ALA AMA AMA	ATI TFK SID	AC128 AC188K AC125 AC128 AC128	2N2706 2N406 2N2706 2N2706	0 0 0
AC151/5 AC151/6 AC151/7 AC151R AC151R4	PG PG PG PG	TO1A TO1A	L02 L02 L02 L02	32V 32V 32V 32V 32V	24V 24V 24V 24V 24V	10V 10V 10V 10V	200MA 200MA 200MA 200MA 200MA	90C 90C 90C 90C 90C	900MWH 900MWH 900MWH 900MWH 900MWH	1M 50P 1M 50P 1M 50P 1M 50P 1M 50P	50MN 75MN 125MN 30MN 30MN	2MA 2MA 2MA 2MA 2MA	AMA AMA AMA AL N	SID		2N2706 2N2706 2N2706 2N406 2N406	0 0 0
AC151R5 AC151R6 AC152 AC152/4 AC152/5	PG PG PG PG	TOIA TOIA TOIA TOIA	L02 L02 L02 L02	32V 32V 32V 32V 32V	24V 24V 24V 24V 24V	10 V 10 V 10 V 10 V 10 V	200MA 200MA 500MA 500MA 500MA	90C 90C 90C 90C 90C	900MWH 900MWH 900MWH 900MWH	1M 50P 1M 50P 1M 40P 1M 40P 1M 40P	50MN 75MN 30MN 30MN 50MN	2MA 2MA 100MA 100MA 100MA		SID OIS OIS	AC125 AC128 AC128	2N406 2N2706 2N2706 2N2706 2N2706 2N2706	0 0 0 0
AC152/6 AC153 AC153/5 AC153/6 AC153/7	PG PG PG PG	TO1A	L02 L02 L02 L02	32V 32V 32V 32V 32V	24V 18V 18V 18V 18V	107	500MA 2A 2A 2A 2A	90C 90C 90C 90C 90C	900MWH 1WH 1WH 1WH	1M 40P 1M100P 1M100P 1M100P 1M100P	75 MN 50 MN 50 MN 75 MN 125 MN	100MA 300MA 300MA 300MA 300MA	AMG	SID	AC128 AC128 AC128	2N2706 2N2706 2N2706 2N2706 2N2706 2N2706	0 0 0 0
AC153K AC153K5 AC153K6 AC153K7 AC154		X04 X04 X04	L01 L01 L01 L01 L02	32V 32V 32V 32V 26V		10V 10V 10V 10V 3V	2A 2A 2A 2A 800MA	90C 90C 90C 90C 80C	1 WH 1 WH 1 WH 1 WH 200MWF	1M100P 1M100P 1M100P 1M100P 700K 60P	50MN 50MN 75MN 125MN 55MN		A MG AMG A MG	SID SID SID	AC 188K AC 188K AC 188K AC 188K AC 128	2N2706	0 0 0
AC155 AC156 AC157 AC160 AC160A	PG PG NG PG PG	TO1 TO1 TO1A	L02 L02 L02 L02 L02	26 V 26 V 32 V 15 V 15 V		3V 3V 3V 10V	80MA 80MA 80MA AMO1 AMO1	80C 80C 80C 80C	200MWF 200MWF 200MWF 50MWF 50MWF	700K 60P 700K 60P 700K 60P 300K 18P 300K 18P	15MN 55MN 30MN 15MN 15MN	1MA 10MA 3COUA	ALN	TFK		2N406 2N2406 2N2430 2N406 2N406	0 0 0 0
AC160B AC162 AC163 AC165 AC166	PG PG PG PG	TO1A TO1A	L02 L02 L02 L02 L02	15V 32V 32V 32V 32V	10V 24V 24V 20V 20V		10MA 200MA 200MA 80MA 800MA	80C 90C 90C 80C 80C	50MWF 900MWH 900MWH 200MWF 200MWF	300K 18P 1M 40P 1M 40P 500K 60P 800K 60P	15MN 80MN 80MN 30MN 45MN	2MA	ALG ALG ALA	SID SID 0BS	AC 125	2N406 2N406 2N406 2N2430 2N2706	0 0 0 0
AC167 AC168 AC170 AC171 AC172	PG PG PG	TO1 TO1A TO1A TO1	L02 L02 L02 L02 L02	32V 32V 32V 32V 32V	20 V 20 V 15 V 15 V 12 V	6V 6V 10 V 10 V	800MA 800MA 200MA 200MA 10MA	80C 80C 90C 90C 90C	200MWF 200MWF 130MWF 130MWF 200MWF	800K 60P 800K 60P 1M 50P 1M 50P 1M 70P	45MN 45MN 50MN 65MN 45MN	300MA 300MA 2MA 2MA 500UA	AMA AMA ALA ALA ALN			2N2706 2N2706 2N406 2N406 2N2430	0 0 0 0
AC173 AC175 AC176 AC176K AC177	NG NG	T01 X04 T01 T04 T01	L02 L01 L02 L01 L02	32V 25 V 32 V 32 V 32 V		10V 10V 10V 10V 6V	300MA 1A 1A 1A 800MA	90C 90C 90C 90C 80C	200MWF 1100MWH 220MWF 1WH 200MWF		50MN 60MN 52/180 50MN 45MN	2MA 150MA 500MA 300MA 300MA	AL A AM G AM G AM G AM A	MIS TFK MUB SID OBS	AC125 AC187K AC176 AC187K AC128	2N406 2N2430 2N2706	0 0 0 0
AC178 AC180 AC180K AC180KL	PG	X04 X04 T01 X04 X04	L01 LC1 LC2 L01 L01	20V 20V 32V 32V 32V	15V 15V 16V 16V 20V	10V 20V 20V	700MA 700MA 1500MA 1500MA 1500MA	90C 100C 100C	1100MWH 1100MWH 300MWF 2500MWH 2500MWH	400K 60P 500K 60P 1M 60P 1M 60P	60MN 60MN 50MN 50MN 50MN	150MA 150MA 600MA 600MA 600MA	AMG AMG AMG AMG AMG	TFK MIS MIS	AC188K AC187K AC128 AC188K AC188K	2N2706	0 0 0 0
AC181 AC181KL AC181KL AC182 AC183	NG NG PG	T01 X04 X04 T01 T01	L02 L01 L01 L02 L02	32V 32V 32V 32V 32V	16V 16V 20V 18V 16V	20V 20V 20V	1A 1A 1A 150MA 150MA	100C 100C	300MWF 2500MWH 2500MWH 200MWF 250MWF	2M 60P 2M 60P 2M 60P 1M 50P 2M 50P	50 MN 50 MN 50 MN 50 MN 50 MN	600MA 600MA 600MA 1MA 2MA	AMG AMG AMG ALA ALA	MIS SEU MIS	AC176 AC187K AC187K AC125 AC176	2N2430 2N406 2N2430	0 0 0
AC184 AC185 AC186 AC187 AC187/O1	NG NG NG	T01 T01 T01A T01 X04	L02 L02 L02 L02 L01	32V 32V 30V 25V 25V	187	20 V 10 V 10 V	500MA 500MA 700MA 2A 2A	100C 100C 90C 90C 90C	270MWF 270MWF 215MWF 225MWF 1WH	1M 80P 2M 60P 1M 60P 1M180P 1M100P	50MN 50MN 60MN 100MN 100MN	300MA 150MA 300MA	AMG AMG	MIS TFK MUB	AC 128 AC 176 AC 176 AC 176 AC 187K	2N2706 2N2430 2N2430 2N2430	0 0 0

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TRANSISTOR NUMBER	OA LT	PACK- AGE	INFO	WAX MAX	VCE MAX	VEB MAX	C MAX	MAX	P TOT	T OB MIN MAX	H FE	BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
AC187K AC188 AC188/C1 AC188K AC191	NG PG PG PG	X04 T01 X04 X04 T01	L01 L02 L01 L01 L02	25 V 25 V 25 V 25 V 32 V	15V 15V 15V 15V 15V	10V 10V 10V 10V 25V	2A 2A 2A 2A 250MA	90C 90C 90C 90C 90C	1 WH 225MWF 1WH 1WH 430MWH	1 N 100 P 1 N 110 P 1 M 100 P 1 M 100 P 1 N 60 P	100MN 100MN 100MN 100MN 30MN	AMDOE AMDOE AMDOE AMOOE	AMG AMG AMG AMG ALN		AC 188K	2N2706 2N406	0 0 0
AC192 AC193 AC193K AC193K7 AC193K8	PG PG PG PG	T01 T01 X04 X04 X04	LG2 LG2 LG2 LG2 LG2	32V 32V 32V 32V 32V	15V 15V 32V 32V 32V	10V 10V 10V 10V	250MA 1A 2A 2A 2A	90C 90C 90C 90C 90C	430MWH 1WH 260MWF 260MWF 260MWF	1M 60P 1M 90P 1M 80P 1M 80P 1M 80P	30MN 90MN 90MN 90MN 130MN	1 MA 400MA 400MA 400MA 400MA	ALA AMG AMG AMG AMG	17A 17A 17A	AC188K	2N406 2N2706	0 0 0
AC193K9 AC194 AC194K AC194K7 AC194K8	PG NG NG NG NG	X04 T01 X04 X04 XC4	F05 F05 F05 F05	32V 32V 32V 32V 32V	32V 15V 32V 32V 32V	10V 10V 10V 10V	2 A 1 A 2 A 2 A 2 A	90 C 90 C 90 C 90 C 90 C	260MWF 1WH 260MWF 260MWF 260MWF	1M 80P 1M 90P 2M120P 2M120P 2M120P	200MN 90MN 90MN 90MN 130MN	4 C C M A 40 O M A 40 O M A 40 O M A 4 C C M A	AMG AMG AMG AMG	I TA I TA I TA	AC187K AC187K	2N2430	0 0 0 0
AC194K9 ACY16 ACY17 ACY18 ACY19	NG PG PG PG PG	X04 X04 T05 T05 T05	LC2 L01 LC4 L04 L04	32V 45 V 70V 50 V	32 V 30 V 32 V 30 V 30 V	10V 10V 12V 12V 12V	2 A 400MA 500MA 500MA 500MA	90C 100C 90C 90C 90C	260MWF 800MWH 260MWF 260MWF 260MWF	2M120P 400K 60P 1M 60P 1M 60P 1M 60P	200MN 40MN 50MN 40MN 80MN	4 COMA 300 MA 300 MA 300 MA 300 MA	AMG AMG AMG AMG AMG	AT I TEK NEM MUB MUB	AC Y 17	2N1188 2N1188 2N1188	0 0 0 0
ACY20 ACY21 ACY22 ACY22E ACY22H	PG PG PG PG PG	T05 T05 T05 T05	L04 L04 L04 L04 L04	40V 40V 20V 20V 20V	20V 20V 15V 15V 15V	12V 12V 12V 12V 12V	500MA 500MA 500MA 1A 1 A	90C 90C 90C 85C 85C	260MWF 260MWF 260MWF 300MWF 300MWF	1N 60F 1N 60P 1N 60P 400K 90P 400K 90P	50MN 90MN 30MN 30MN 150MN	50 MA 50 MA 30 CMA 50 MA 5 CMA	AMG AMG AMG ALS ALS	NEM NEM NEM NEM	AC Y17 AC Y17 AC Y17 AC Y17 AC Y17	2N1188 2N1188 2N1188 2N1176 2N1176	0 0 0 0
ACY23 ACY23V ACY23V1 ACY24 ACY27	PG PG PG PG PG	TO1A TO1A TO1A XO4 TO1	L02 L02 L02 L01 L02	32V 32V 32V 70V 40V	30V 30V 30V 45V 20V	16V 16V 16V 30V 30V	200MA 200MA 200MA 300MA 200MA	9 CC 90 C 90 C 8 O C 90 C	900MWH 900MWH 900MWH 400MWF 200MWF	500K 90P 500K 90P 500K 90P 500K 60P 800K 50P	50 MN 50 MN 75 MN 40 MN 20 MN	1MA 1MA 1MA 5MA 1MA	AMA AMA ALG ALA		AC128 AC128 AC128 AC188K AC125	2N2706 2N2706 2N2706 2N2706	0 0 0 0
ACY28 ACY29 ACY3C ACY31 ACY32	PG PG PG PG PG	T01 T01 T01 T01 T01A	F05 F05 F05	40V 40V 40V 40V 32V	15V 15V 20V 20V 30V	30 V 30 V 40 V 20 V 16 V	200MA 200MA 100MA 200MA 200MA	90C 90C 90C 90C 90C	200MWF 200MWF 200MWF 200MWF 900MWH	800K 50P 900K 50P 500K 60P 900K 50P 500K 90P	45MN 45MN 60MN 35MN 50MN	1MA 1MA 1MA 1MA	RLA RLA ALA RLA ALN	ITB NEM	AC125	2N406 2N406 2N2431 2N406 2N406	0 0 0 0
ACY32/5 ACY32/6 ACY33 ACY33/6 ACY33/7	PG PG PG PG	TOIA TOIA TOIA TOIA TOIA	LC2 LC2 LC2 LO2	32V 32V 32V 32V 32V	30V 30V 32V 32V 32V	16V 16V 10V 10V 10V	200MA 200MA 1 A 1 A	90C	900MWH 900MWH 1100MWH 1100MWH 1100MWH	500K 90P 500K 90P 1M100P 1M100P 1M100P	50 MN 75 MN 75 MN 75 MN 125 MN	1MA 1MA 3COMA 3OOMA 3OOMA	ALN ALN AMG AMG AMG	SID SID SID	AC125 AC125 AC128 AC128 AC128	2N406 2N406 2N2706 2N2706 2N2706	0 0 0 0
ACY33/8 ACY34 ACY35 ACY36 ACY38		T01A T01 T01 T01	LC2 LC2 LC2 LC2	32V 30V 30V 32V 15V	100	10V 10V 10V 10V 9V	1A 100MA 200MA 200MA 100MA	900 900 900 900 850		1M100P 500K 60P 200K 50P 200K 50P 5M 30F	175MN 20MN 30MN 30MN 75TP	1 MA	RLA	NEM NEM	AC128 AC126 AC125 AC125 AC125	2N2706 2N2431 2N406 2N406 2N406	0 0 0 0
ACY39 ACY40 ACY41 ACY44 AD103	P G P G	105	LC4 LC4 LO4 LO4 LC5	110V 32V 21V 50V 50V	18V 30V	25 V 12 V 12 V 12 V 10 V	500MA 500MA 500MA 500MA 15A	900 900 900 900 850	260MWF 260MWF 260MWF 260MWF 23WH	1M 60P 1M 60P 1M 60P 1M 60P 200K	50MN 30MN 50MN 40MN 30MN	300MA 300MA 300MA 300MA 500MA	AMH AMG AMG AMG AHG	MUB	ACY17	2N1188 2N1188 2N1188 2N1188 52N1167	0 0 0 0
AD104 AD105 AC130 AD13C/3 AD13C/4		T03 T03 T03	L05 L05 L05 L05 L05	65V 85V 32V 32V 32V	30 V 30 V	20 V 20 V 10 V 19 V 10 V	15A 15A 3A 3A 3A	850 850 900 900 900	23WH 23WH 30WH 30WH 30WH	200K 350K	28MN 40MN 20MN 20MN 30MN	500MA 500MA 1A 1A	AHG AHG AHG AHG	012 012 012	AUY29/ AUY29/ ASZ16 ASZ16 ASZ16	52N1167 52N1167 2N1536 2N1536 2N1536	0 0 0 0
A0130/5 A0131 A0131/3 A0131/4 A0131/5	PG PG PG PG	T03	LC5 LC5 LC5 LC5	32V 64V 64V 64V		20V	3A 3A 3A 3A	90C 90C 90C 90C 90C	30WH 30WH 30WH 30WH 30WH	350K 350K 350K	50MN 20MN 20MN 30MN 50MN	14 14 14 14	AHG	SID SID SID	ASZ16 ASZ16 ASZ16 ASZ16 ASZ16	2N1536 2N1536 2N1536 2N1536 2N1536	0 0 0 0 0
AD132 AD132/4 AD132/5 AD133 AD133/3		T03 T03 T03 X07 X07	LC5 L05 L05 L08 L08	8 CV 8 CV 8 CV 5 OV	60V 60V 60V 32V 32V	20V 20V	3A 3A 3A 15A 15A		30WH 30WH 30WH 36WH 36WH	350K 350K 300K	30 MN 30 MN 50 MN 20 MN 20 MN	1 A 1 A 1 A 5 A 5 A	AHH AHG	SID SID SID	AUY29/	2N1533 2N1533 2N1533 2N1533 52N1167 52N1167	0 0 0 0
AD133/4 AD133/5 AD136 AD136/1V AD136/V	PG	X07 X07 T08 T08 T08	LC8 L08 L12 L12 L12	5CV 50V 40V 40V 40V	30V 30V	10V 10V 10V 10V	15A 15A 10A 10A	1000	36WH 36WH 11WC 11WC 11WC	150K 150K	50MN 50MN 30MN 30/60 50/100	5A 5A 5A 5A	AHG AHG AHG	SID		52N1167 52N1167 2N1184F 2N1184F 2N1184F	0 B 0
AD136/V1 AD136 AD136/4 AD136/5 AD136/6	PG PG	T08	L12 L12 L12 L12 L12	4CV 40V 40V 40V 4CV	30 V 30 V 30 V	10V 10V 10V 10V	1CA 10A 10A 1CA	_	1 1WC 11 WH 11WH 11WH 11 WH	300K 300K 300K	75/150 30MN 30MN 50MN 75MN	5 A 5 A 5 A 5 A	AHG AHG	012 012	AC136 ASZ16 ASZ16 ASZ16 ASZ16	2N11848 2N1536 2N1536 2N1536 2N1536	B 0 0 0 0 0
AD138 AD138/50 AD139 AD140 AD142	PG PG PG	T03 T03 X03 T03	L05 L05 L05 L05	40V 32V 55V	25V 20V 55V	1	8A 8A 3500MA 3A 10A	90 C 90 C 90 C 90 C 100 C	35WH	200K 400K	25MN 25MN 30MN 30MN 30MN	5 A 5 A 1 A 1 A	AHG AHG	TFK VAL MUB	ASZ16	2N1536 2N1536 2N2835 2N1536 2N1533	0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		B NAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
AD143 AD143R AD148 AD148/5 AD148/66	PG PG PG PG	T03 T03 X03 X03 X03	L05 L05 L05 L05	40V 32V 32V 32V 32V	35V 25V 26V 26V 26V	10 V 10 V	10A 10A 3A 3A 3A	100C 85C 100C 100C	30WH 30WH 13WH 13WH	300K 450K 450K		30MN 30MN 30MN 30MN 50MN	1 A 1 A 1 A 1 A	AHG AHG AHG AHG	SID SID	ASZ16 AD162 AD162	2N1 536 2N15 36 2N 2835 2N 2835 2N 2835 2N 2835	0 0 0 0
AD149 AD149/4 AD149/5 AD150 AD150/4	PG PG PG PG	103 103 103 103 103	L05 L05 L05 L05 L05	50V 32V 32V 32V 32V	30V 30V 30V 30V 30V	10V 10V 10V	3500MA 3500MA 3500MA 3500MA 3500MA	100C 100C	27WH 27WH 27WH 27WH 27WH	300K 300K 450K		30MN 30MN 50MN 30MN 30MN	1 A 1 A 1 A 1 A	AHG AHG AHG	VAL VAL	ASZ16 ASZ16 ASZ16	2N1536 2N1536 2N1536 2N1536 2N1536 2N1536	0 0 0 0
AD150/5 AD152 AD155 AD156 AD157	PG PG PG PG	T03 X03 X03 T08 T08	L05 L05 L12 L12 L12	32V 45V 45V 32V 32V	30V 23V 23V 16V 16V	10V 12V 12V 10V 10V	3500 MA 1 A 1 A 2 A 2 A	100C 90C 90C 85C 85C	27 WH 6 WH 6 WH 8 WH 8 WH	450K 500K 400K 1M 1M		50MN 35MN 35MN 50MN 50MN	1A 500MA 500MA 300MA 300MA	AMG AMG AMG	TFK TFK SID	AD162 AD162 AD162	2N1536 2N2835 2N2835 2N2835 2N2835 2N2835	0 0 0 0
AD161 AD162 AD162/5 AD162/6 AD162/7	NG PG PG PG	X03 X03 X03 X03 X03	L05 L05 L05 L05 L05	32V 32V 32V 32V 32V	20 V 20 V 20 V 20 V 20 V	10V 10V 10V 10V	1 A 1 A 1 A 1 A	90C 90C 90C 90C 90C	4WH 6WH 6WH 6WH 6WH		50 P 50 P	80MN 50MN 50MN 75MN 125MN	500MA 500MA 500MA 500MA 500MA	AMG AMG	MUB VAL VAL	AD162 AD162 AD162	2N4077 2N2835 2N2835 2N2835 2N2835 2N2835	0 0 0 0
AD162/8 AD163 AD163/2 AD163/3 AD163/4	PG PG PG PG	X03 T03 T03 T03 T03	L05 L05 L05 L05	10 CV 10 CV	20 V 80 V 80 V 80 V	10V 20V 20V 20V 20V	1A 3A 3A 3A	90C 90C 90C 90C 90C	6 W H 30 W H 30 W H 30 W H	250K 250K		175 MN 12MN 12MN 20 MN 30 MN	500MA 1A 1A 1A	AHH AHH AHH	SID	ASZ15	2N2835 2N1533 2N1533 2N1533 2N1533	0 0 0 0
AD164 AD165 AD262 AD263 ADY22	PG NG PG PG	X03 X03 X03 X03 T03	L05 L05 L05 L05	25V 25V 35V 60V 30V	20V 20V 20V 40V 15V	10V 10V 10V 10V 12V	1A 1A 4A 4A 10A	90C 90C 100C 100C 85C	6WH 5WH 10WH 10WH 40WH	500K 450K 450K		60MN 60MN 30MN 20MN 15MN	500MA 500MA 1500MA 1500MA	A MG AM G AM G	TFK ATI ATI	AD161	2N2835 2N4077 2N2835 2N2835 2N1536	0 0 0
ACY23 ADY24 ADY25 ADY26 ADY27	PG PG PG PG	T03 T03 T03 T036 T03	L05 L05 L05 L13 L05	8CV 80V 100V 8CV 32V	40V 40V 60V 60V 30V	12V 12V 12V 40V 10V	10A 10A 10A 25A 3500MA	85C 85C 85C 90C 100C	40WH 40WH 40WH 100WH 27WH	100K 100K 100K		20MN 50MN 20MN 15MN 30MN	1 A 1 A 1 A 2 5 A 1 A	AHH AHH AHG	ITB ITB MUB	ASZ 15 ASZ 15 ADZ 12	2N1533 2N1533 2N1533 2N1100 2N1536	0 0 0
ADY27/4 ADY27/5 ADY30 ADY31 ADY32	PG PG PG PG	103 103 1036 1036 1036	L05 L05 L13 L13 L13	32V 32V 45V 60V 8CV	30V 30V 30V 40V 50V	10V 10V 25V 20V 20V	3500MA 3500MA 50A 15A 15A	100C 110C 110C	27WH 27WH 150WH 150WH 85WH	450K 200K 200K		30MN 50MN 50MN 25MN 15MN	1 A 1 A 1 5 A 1 5 A	AHG AHG	SID RTC RTC	ADZ12 ADZ12	2N1536 2N1536 2N1100 2N1100 2N1100	0 0 0
AD211 AD212 AF114 AF115 AF116	PG PG PG PG	T07	L13 L13 L07 L07 L07	32V	40V 60V 15V 15V	30V 50V 2V 2V 2V	20A 20A 10MA 10MA	90C 90C 75C 75C 75C	45WH 45WH 75MWF 75MWF 75MWF	200K	3P 3P 3P	40MN 40MN 50MN 50MN 50MN	1 MA 1 M A	AHG RLA	RTC MUB MUB	ADZ 12 AF 124 AF 124	2N1100 2N1100 2N990 2N990 2N990	0 0 0
AF117 AF124 AF125 AF126 AF127	PG PG PG PG	T072 T072 T072	L07 L51 L51 L51 L51	32V 32V 32V 32V 32V	15V 15V 15V 15V 15V	2 V 2 V 2 V 2 V 2 V	10MA 10MA 10MA 10MA	75 C 75 C 75 C 75 C 75 C	75MWF 75MWF 75MWF 75MWF 75MWF	75 M 75 M 75 M 75 M 75 M	3P 3P 3P 3P 3P	50MN 50MN 50MN 50MN 50MN	1 M A 1 M A 1 M A		MUB MUB MUB	AF124 AF124 AF124	2N990 2N990 2N990 2N990 2N990	0 0 0
AFY14 AFY19 AL100 AL101 AL102	PG PG PG PG	X04 T039 T03 T03 T03	L01 L04 L05 L05 L05	60v	20 V 32 V 60 V 40 V 60 V	1V 0V5 2V 1V 2V	250MA 300MA 10A 10A 6A	85C	150MWF 800MWF 30WH 30WH 30WH	2M 3 M	5P 24P	40MN 40MN 40MN 40MN 40MN	AMO8	RHG RHG	MUB AT I	AL 103 AL 103	2N990 2N2147 2N2147 2N5325	0 0 0 0
AL103 AL112 AL113 ASY27 ASY28	PG PG PG PG NG	T03 X03 X03 T05 T05	L05 L05 L05 L04 L04	100 V 35 V 60 V 25 V 30 V	40 V 20 V 40 V 15 V 15 V	1 V 2 V 2 V 2 O V 2 O V	6A 4A 4A 200MA 200MA	1000	30WH 10WH 10WH 150MWF 150MWF		13P 16P	40 MN 40 MN 40 MN 30 MN 20 MN	1A 1A 1A 100MA 100MA	RHG RHG RMS	ATI ATI MUB		2N2147 2N2147 2N2147 2N2147 2N1305 2N1304	00000
ASY29 ASY30 ASY48 ASY50 ASY54N	NG PG PG PG	T05 X04 T01A T01 T01	L04 L01 L02 L02 L02	25 V 50 V 64 V 20 V 30 V	15V 25V 45V 10V 10V	1V 16V 20V	200MA 250MA 300MA 200MA 100MA	85C 80C 90C 90C 75C	150MWF 150MWF 900MWH 200MWF 100MWF	400K	5 P 40 P	30MN 40MN 75MN 15MN 20MN	100 MA 5 MA	RLA	TFK SID NEM	ASY29 AF124 AC128 AC125 OC44N	2N1304 2N990 2N2706 2N406 2N2614	0 0 0
ASY55N ASY56N ASY57N ASY58N ASY59N	PG PG PG PG	TC1 TC1 TC1 TC1 TC1	L02 L02 L02 L02 L02	20v 16v 16v 16v 16v	5V 10V 10V 10V	20V 12V 12V 12V 12V	100MA 100MA 100MA 100MA 100MA	75C 75C 75C 75C 75C	100MWF 100MWF 100MWF 100MWF	2 M 4 M 7 M	23P 20P 20P 20P 20P	20MN 25MN 30MN 40MN 60MN	1MA 10MA 10MA 10MA	RLS RLS RLS	NEM NEM NEM	0C44N 0C44N 0C44N 0C44N 0C44N	2N2614 2N2614 2N2614 2N2614 2N2614	0 0 0 0
ASY63N ASY73 ASY74 ASY75 ASY76	PG NG NG NG PG	T01 T05 T05 T05 T05	L04 L04 L04 L04 L04	26V 30V 30V 30V 40V	30V	20V 15V 15V 15V 10V	100MA 400MA 400MA 400MA 500MA	75C 75C 75C 75C 75C 85C	100MWF 140MWF 140MWF 140MWF 260MWF	4 M 6 M	20 P 30 P 30 P 30 P 60 P	30MN 20MN 35MN 50MN 26MN	15MA 200MA 200MA 200MA 300MA	RMS RMS RMS	MUB MUB MUB		2N2614 2N1304 2N1304 2N1304 2N1304 2N1188	0 0 0 0
ASY77 ASY80 ASY81 ASZ15 ASZ16				60V 40V 60V 100V 60V	60V 40V 30V 60V 32V	10V 20V 25V 40V 20V	500MA 500MA 500MA 8A 8A	85C 85C 85C 90C 90C		1M 1M 1M 100K1 125K1	60P 50P 90P	26 MN 5 MN 3 0/1 00 20 MN 45 MN		AMS AMG AHH	MUB SEU RTC		2N1188 2N1188 2N11768 2N1533 2N1536	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	F C T OE MIN M/		H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
ASZ17 ASZ18 ASZ20 ASZ21 ASZ23	PG PG PG PG	T07	L05 L05 L07 L01 L07	60V 100V 40V 20V 15V	32 V 32 V 15 V	20V 40V 1V 2V	8A 8A 25MA 50MA 100MA	90C 90C 75C 85C 75C	3CWH 3OWH 110MWF 120MWF	110K19 110K19 40M 2 300M	OP	25MN 30MN 40MN 30MN	1 A 1 A 1 MA 1 GMA	AHG AHG VLS VLS SLS		ASZ16 ASZ16 AF124	2N1536 2N1536 2N990	0 0 0 0
AU101 AU102 AU103 AU104 AU106	PG PG PG PG	T03 T03 T03		40V 155V 185V	120V 40V 155V 185V 160V	1V 1V 4V 4V 2 V	10A 10A 10A 12A 10A	90C 90C 90C 90C 90C	10wh 10wh 10wh 15wh 30wh	250K 250K 10M 10M 1M		30MN 17MN 15MN 14MN 15MN	5A 5A 10A 12A 6A	RHH AHG RHH RHH	VAL VAL VAL	AU106 AL103 AU106 AU106 AU106	2N5325 2N2147 2N5325 2N5325 2N5325	0 0 0 0
AU107 AU108 AU108F AU110 AU111	PG PG PG PG	T03 T03 T03	L05 L05 L05 L05	100V 10CV 160V	100V 50V 50V 80V 160V	2V 2V 2V 2V 2V	10A 10A 10A 10A 10A	90C 90C 90C 100C 90C	30WH 30WH 30WH 30WH 30WH	1 M 1 M 1 M 1 M 1 M		35MN 35MN 120MN 20MN 15MN	700MA 700MA 1A 1A 6A	RHH RHG RHG RHH RHH	ITA ITA ITA	AU106 AL103 AU106 AU106	2N5325 2N2147 2N2147 2N5325 2N5325	0 0 0 0
AU112 AU113 AUY10 AUY18 AUY18/4	PG PG PG PG	T03 T03 T08	L05 L05 L05 L12	250V 70V 64V	160V 125V 60V 45V		1CA 10A 700MA 8A 8A	90C 90C 90C 100C 100C	30 WH 30 WH 5 WHS 11 WH 11 WH	1M 60M 300K		15MN 15MN 40MN 50MN 50MN	6A 6A 600MA 5A 5A	AHH	ATI MUB SID SID	AL 103 ASZ15 ASZ16	2N5325 2N5325 2N2147 2N1533 2N1536	0 0 0
AUY18/5 AUY19 AUY19/3 AUY19/4 AUY19/5	P (0 P (0 P (0 P (0	T03 T03 T03	L12 L05 L05 L05	64V 64V 64V	45V 45V 45V 45V 45V	20 V 20 V 20 V	8A 3A 3A 3A	90C 90C 90C 90C 90C	1 1WH 30WH 30WH 30WH	350K 350K 350K		50MN 20MN 20MN 30MN 50MN	5 A 1 A 1 A 1 A	AHG APG AHH	S10 S10 S10 S10	ASZ16 ASZ16 ASZ16 ASZ16	2N1536 2N1536 2N1536 2N1536 2N1536	0 0 0
AUY20 AUY20/3 AUY20/4 AUY20/5 AUY21	PO PO PO	103 103 103	LO:	80V 80V 80V	60 V 60 V 60 V 45 V	20V 20V 20V	3A 3A 3A 3A	90C 90C 90C 90C 100C	30WH 30WH 30WH 30WH 36WH	350K 350K		20MN 20MN 30MN 50MN 12MN	1 A 1 A 1 A 1 A 5 A	AHE AHE	SID SID SID SID	ASZ15 ASZ15 ASZ15 ASZ15 ASZ16	2N1533 2N1533 2N1533 2N1533 2N1536	0
ALY21/2 AUY21/3 AUY21/4 AUY21A AUY22	P( P( P( P(	T03 T03 T03	LO: LO: LO:	65V 65V 65V	45V 45V 45V 60V	20V 20V 20V	10A 10A 10A 10A 8A	100C 100C	36WH 36WH 36WH 36WH	300K 300K 300K		12MN 20MN 30MN 30MN 12MN	5 A 5 A 5 A 5 A	AHC AHC	SIC SIC ATI	ASZ16 ASZ16 ASZ15	2N1536 2N1536 2N1536 2N1536 2N1533	0 0 0
AUY22/2 AUY22/3 AUY22/4 AUY22A AUY28	Pi Pi Pi	G T03 G T03 G T03	L0:	80V 80V 80V	60\ 60\ 60\ 65\	20V 20V 20V	A 8 A 8 A 8 A 6	100C 100C 100C	36WH 36WH 36WH 36WH 30WH	300K 300K 300K		12MN 20MN 30MN 12MN 20MN	5 A 5 A 5 A 5 A	HA AH	SIC SIC ATI	ASZ15 ASZ15 ASZ15 ASZ15	2N1533 2N1533 2N1533 2N1533 2N1533	0 0
AUY29 AUY29/3 AUY29/4 AUY29/5 AUY34		G T03	FC FC FC	5 50.V 5 50.V	321	100	15A 15A 15A 15A 3A	100C 100C 100C	36 WH 36 WH 36 WH 36 WH	300K 300K 300K		20 MN 20 MN 30 MN 50 MN 12 MN	5/ 5/ 5/ 1/	AHA AHA	S S I I	AUY29 AUY29 AUY29 ASZ15	/52N1167 /52N1167 /52N1167 /52N1167 2N1533	0 0 0
AUY34/2 AUY34/3 ALY34/4 AUY35 AUY36	P P P	G T03 G T03 G T08	LO		80 80 25	20V 20V 20V		900	3 C WH 30 WH 30 WH 11 WH 11 WH	350K		12MN 20MN 30MN 35MN 100MN	1; 1; 5; 5;	A AHI A AHI A RH	H SII G AT G AT	ASZ 15 ASZ 15 ASZ 15 ASZ 15 AL 103 AL 103	2N1533 2N1533 2N1533 2N2147 2N2147	3 0 3 0 7 0 7 0
ALY37 AUY38 BC107 BC107A BC107B		G T03 S T016 S T016	L C	1 50V 1 50V	60 45 45	V 6V V 6V	100MA	100C 100C 175C 175C 175C	30WI 30WI 300MWI 300MWI 300MWI	400K F 150M F 150M	5P 5P 5P	30MN 30MN 110MN 110MN 200MN	1: 5: 2M: 2M: 2M:	A AL A AL	H AT G MUI G MUI G MU	BC107	2N929	0 0 0
BC108 BC108A BC108B BC108C BC109	N N	S T01 S T01 S T01 S T01 S T01	3 LO 3 LO 8 LO	1 30 V 1 30 V 1 30 V	20 20 20	V 5V V 5V V 5V	100M/ 100M/	175C 175C 175C 175C 175C	300MWI 300MWI 300MWI 300MWI	F 150M	6P 6P 6P 6P	120MN 120MN 200MN 420MN 180MN	2M 2M 2M 2M 2M	A AL A AL A AL	G MU G MU G MU	B BC 107	2N929 2N929 2N929	0 0 0
BC109E BC109C BC110 BC111 BC112		S TO1: S TO1: S TO1: S X14: S X15	8   LO	1 30\ 1 80\ 4 25\	20 80 1 12	V 5V V 8V V 4V	100M/ 50M/	175C 175C 175C 175C 175C	300MW 300MW 300MW 100MW 30MW	F 150M F 100M F 40M	6P 6P 5P	200MN 420MN 30MN 80MN 60MN	2M 2M 2M 10M 200U	A AL A AL A AL	N MU G TF G RT N RT	B BC 109 K BC 107 C BC 146 C BC 146	2N930 A157	0 0 0 0
BC113 BC114 BC115 BC115 BC116	P	S TO1 IS TO1 IS TO1	06 L1 06 L1 05 L0 05 L0	7 30\ 14 40\ 14 40\	/ 25 / 30 / 30	V 6V V 5V V 5V	50M	125C 125C 125C 125C 125C	200MW 200MW 300MW 300MW 300MW	F 60M F 20M F 40M F 130M	5P 5P 18P 25P 8P	200MN 50MN 80MN 35MN	10M	A AL A AL A AL	N SG G FC G SG	I BC209 U BC237 I BC237	2N496 2N582 2N582 2N601	7 0 5 0 5 0 5 0
8C116 8C116A 8C117 8C118 8C118		75 TO1 75 TO1 75 TO1 75 TO1 75 TO1	05 L0	4 120 7 45	V 40 V 120 V 45	V 5V V 5V	600M 50M 200M	A 125C A 125C A 125C A 125C A 125C	300MW	F 100M F 60M F 200M	10P 9P 3P5	30MN 40/160 50MN	50 M 3 O M 1 O M 5 M	A AL	IG SG .H A1 .G FC	B BC145 U BC23 I BC23	2N403 2N199 2N582 2N582	6 0 0 0 5 0 5 0
BC119 BC120 BC121 BC122 BC123	1	NS TO3 NS TO3 NS X16 NS X16 NS X16	9 L X X	14 60 11 60 16 5 16 30 16 45	V 30 V 5 V 20	5V 5V 5V 5V	50M 50M	A 2000 A 2000 A 1250 A 1250 A 1250	800MW 90MW 90MW	F 40M			150N 250U 250U	A AL	IG SC N SI N SI	BFY5 B BFY5 D BC146 D BC146	L 2N229	

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
BC125 BC125B BC126 BC127 BC128	NS NS PS NS NS	T0105 T0106 T0105 08S 0BS	L04 L17 L17 085 085	50V 60V 35V 25V 25V	30 V 30 V 30 V 20 V 20 V	5 V 5 V 5 V 5 V	500MA 500MA 600MA 50MA	125C 125C 125C 125C 125C	300MWF 300MWF 300MWF 75MWF 100MWF		25P 25P 8P 10P 40P	30MN 40/120 40MN 125MN 150MN	150MA 150MA 10MA 1MA	AMG AMG AMG ALN ALN	SGI SGI FCU FCU FCU	BFY50 BFY50 BC328 BC146 BC146	2N2297 2N2297 2N5819	00000
BC129 BC130 BC131 BC132 BC134	NS NS NS NS	T018 T018 T018 T0106 T0106		50 V 25 V 25 V 30 V 45 V	45V 20V 20V 25V 45V	5V 5V 5V 4V	100MA 100MA 100MA 200MA 200MA	165C 165C 165C 125C 125C	175MWF 175MWF 175MWF 200MWF 200MWF	150M 150M 150M 40M 200M	6P 6P 6P 4P	125MN 125MN 240MN 60MN 150MN	2 MA 2 MA 2 MA 10 MA 10 MA	ALG ALG ALN ALG ALG	TFK TFK TFK SGI SGI	BC107 BC107 BC109 BC207 BC207	A1 57 A1 57 2N9 30 2N4 966 2N4 966	0 0 0 0
8C135 BC136 BC137 BC138 BC139	NS NS PS NS PS	T0106 T0105 T0105 T05 T039	L17	45V 60V 40V 60V 40V	45V 40V 40V 40V 40V	5 V 5 V 4 V 5 V	200MA 100MA 600MA 1A 500MA	125C 125C 125C 200C 200C	200MWF 300MWF 300MWF 800MWF 700MWF	200M 60M 60M 40M 100M	4P 25P 10P 25P 10P	50MN 40MN 40MN 35MN 40MN	10MA 10MA 10MA 10MA	ALG ALG AMG AMG AMG	SGI	BC 207 BC 107 BC 338 BFY 51 BFS 95	2N4966 A157 2N5818 2N2297 2N4036	0 0 0
BC140/6 BC140/6 BC140/10 BC140/16 BC141	NS NS NS NS	1039 1039 1039 1039 1039	L04 L04 L04 L04	80V 80V 80V 80V 100V	40V 40V 40V 40V 60V	7V 7V 7V 7V 7V	1 A 1 A 1 A 1 A 1 A	175C 175C 175C 175C 175C	3700MWH 3700MWH 3700MWH 3700MWH D700MWH	50 M	25P 25P 25P 25P 25P	40MN 40MN 63MN 100MN 40MN	100 MA 100 MA 100 MA 100 MA 100 MA	AMG AMG AMG AMG AMG	TFK TFK TFK	BFY50 BFY50 BFY50 BFY50 BFY50	2N2 297 2N2297 2N2297 2N2297 2N2297	0 0 0
BC141/6 BC141/10 BC141/16 BC142 BC143	NS NS NS NS PS	T039 T039 T039 T039 T039	L04 L04 L04 L04 L04	100V	60V 60V 60V 60V	7V 7V 7V 5V 5V	1 A 1 A 1 A 1 A 1 A	175C 175C 175C 200C 200C	3700MWH 3700MWH 3700MAH 800MWF 800MWF	50₽	25P 25P 25P 25P 20P	40MN 63MN 100MN 20MN 20MN	100MA 100MA 100MA 200MA 300MA	AMG AMG AMG	TFK TFK	BFY50 BFY50 BFY50 BFY50 BC143	2N2297 2N2297 2N2297 2N2297 2N2037	0 0 0
BC144 BC145 BC147 BC147A BC147B	NS NS NS NS	T039 T0105 X09 X09 X09	L04 L04 L10 L10	70V 120V 50V 50V 50V	40V 120V 45V 45V 45V	5V 5V 6V 6V	1A 100MA 200MA 200MA 200MA	200C 125C 125C 125C 125C	800MWF 300MWF 250MWF 250MWF 250MWF	150M	25P 9P 5P 5P	20MN 30MN 110MN 110MN 200MN	3 GO MA 5 MA 2 MA 2 MA 2 MA	ALA ALA	ATB MUB MUB	BFY50 BC145 BC147 BC147 BC147	2N2297 2N1990 A747 A747 A747	0 0 0 0
BC148 BC148A BC148B BC148C BC149	NS NS NS NS	X09 X09 X09 X09 X09	L10 L10 L10 L10 L10	30V 30V 30V 30V 30V	20 V 20 V 20 V 20 V	5 V 5 V 5 V 5 V 5 V	200MA 200MA 200MA 200MA 200MA	125C 125C 125C	250MWF 250MWF 250MWF 250MWF 250MWF	150M 150M 150M	5 P 5 P 5 P 5 P	110MN 110MN 200MN 420MN 200MN	2 MA 2 MA 2 MA 2 MA 2 MA	ALA ALA ALA	MUB MUB MUB	BC147 BC147	A747 A747 A747 A747 A749	0 0 0
BC1498 BC149C BC153 BC154 BC157	NS NS NS PS	X09 X09 T0106 T0106 X09	_	30 V 30 V 40 V 40 V 50 V	20V 20V 40V 40V 45V	5 V 5 V 5 V 5 V	200MA 200MA 100MA 100MA 100MA	125C 125C 125C	250MWF 250MWF 200MWF 200MWF 300MWF	150M 40M 40M	5P 5P 8P 8P 6P	420MN 50MN 160MN	2 MA 2 MA 10 MA 10 MA 2 MA	ALN ALG ALN	MUB SG I SGI	BC 149 BC 207 BC 209	A749 A749 2N4966 2N4967	0 0 0 0
BC157A BC157B BC157/6 BC158 BC158A	PS PS PS PS	X09	L10 L10 L10 L10	50V 30V	45 V 45 V 45 V 25 V	5 V 5 V 5 V	100MA 100MA 100MA 100MA 100MA	125C 125C 125C	300MWF 300MWF 300MWF 300MWF 300MWF	130M 130M 100M	6P 6P 6P 6P	70MN 70MN	2 MA 2 MA 2 MA 2 MA 2 MA	ALA ALA	MUB SID MUB	BC157 BC157 BC157		0 0 0 0
BC 158B BC 158/6 BC 159 BC 159A BC 159B	PS PS PS PS		L1C L10 L10 L10	30 V 25 V 25 V	25V 25V 20V 20V 20V	5V 5V 5 V	100MA 100MA 100MA 100MA 100MA	125C 125C 125C	300MWF 300MWF 300MWF 300MWF 300MWF	100M 100M 100M		70MN 120MN 120MN	2 M A 2 M A 2 M A 2 M A 2 M A	ALA ALN	S I D MUB MUB	BC157 BC159 BC159		0 0 0 0
BC160 BC160/6 BC160/10 BC16C/16 BC161	PS PS PS PS	T039 T039 T039	L04 L04 L04 L04 L04	40 V	40V 40V 40V 40V 60V	5V 5V 5V	1A 1 A 1 A		3200MWH 3200MWH 3200MWH 3200MWH 3200MWH	50 M 50 M 50 M	30P 30P 30P 30P	40MN 60MN 100MN	100MA 100MA 100MA 100MA 100MA	AMG AMG AMG	SID	BC143 BC143 BC143	2N4037 2N4037 2N4037 2N4037 2N4037	0 0 0
BC161/6 BC161/10 BC161/16 BC167 BC167A	PS PS PS NS	T039 T039 T092	L04 E04 L04 L21 L21		60V 60V 60V 45V 45V	5V 5V 6V		175C 175C 150C	3200MWH 3200MWH 3200MWH 300MWF 300MWF	50 M 50 M	30P 5P	60 MN 100 MN 120 MN	100MA 2MA	AMG AMG	SID SID TFK	BC143 BC143 BC1821		0 0 0
BC167B BC168 BC168A BC168B BC168C	NS NS NS NS	T092 T092 T092	L21 L21 L21 L21 L21		45V 20V 20V 20V 20V	5 V 5 V 5 V	100MA 100MA 100MA 100MA 100MA	150C 150C 150C	300MWF 300MWF 300MWF 300MWF	85 M 85 M 85 M 85 M 85 M	5P 5P	120MN 120MN 180MN		ALG ALG ALG	TFK TFK	BC 182L BC 182L	2N3710 2N3710 2N3710	0 0 0
BC169 BC169B BC169C BC170 BC170A	NS NS NS NS	T092 T092 X10	L21 L21 L21 L20 L20		20 V 20 V 20 V 20 V	5 V 5 V 5 V	100MA 100MA 100MA 100MA	150C 150C 150C	300MWF 300MWF 300MWF 300MWF 300MWF	85 M 85 M 85 M 60 M 60 M	5P 5P 8P	240MN 380MN 35MN	2MA 2MA 2MA 1MA 1MA	ALN ALN ALG	TFK TFK ITB		2N3707	0 0 0
BC170B BC170C BC171 BC171A BC171B	NS NS NS NS	X10 X10 X10	L20 L20 L20 L20 L20	20V 45V 45V	20V 20V 45V 45V 45V	5 V 6 V 6 V	100MA 100MA 100MA 100MA 100MA	150C 150C 150C	300MWF 300MWF 300MWF 300MWF 300MWF	60M 100M 100M	6 P 6 P	200MN 125MN 125MN	1 MA 1 MA 2 MA 2 MA 2 MA	ALG ALN ALN	ITB	BC 237	2N5825 2N5825 2N5827 2N5827 2N5827	0 0 0
BC172 BC172A BC172B BC172C BC173		×10	L20 L20 L20 L20 L20	25V 25V 25 V	25V 25V 25V 25V 25V	5V 5V 5V	100MA 100MA 100MA 100MA 100MA	150C 150C 150C	300MWF 300MWF 300MWF 300MWF 300MWF	100M 100M 100M	6 P 6 P 6 P	125MN 240MN 450MN	2MA 2MA 2MA	ALN	118 118 118		2N5825 2N5825 2N5827 2N5827 2N5827	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	I C MAX	T J MAX	Р ТОТ	T	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
BC173B BC173C BC174 BC174A BC174B	NS NS NS NS	X1C X10 X10 X10 X10 X1C	L20 L20 L20 L20 L20	25 V 25 V 64 V 64 V	25V 25V 64V 64V	5V 5V 5V 5V	100MA 100MA 100MA 100MA	150C 150C 150C 150C 150C	300MWF 300MWF 300MWF 300MWF 300MWF	150 M 150 M 100 M 100 M	6P 6P 6P 6P	240 MN 450 MN 125 MN 125 MN 240 MN	2MA 2MA 2MA 2MA 2MA	ALN ALN ALG ALG ALG	ITB ITB	BC239 BC239 BC237 BC237 BC237	2N5827 2N5827 2N5825 2N5825 2N5825 2N5825	00000
EC177 BC177A BC177B BC178 BC178A	PS PS PS PS	TC18 TO18 TO18 TO18 TO18	L C 1 L C 1 L C 1 L C 1 L C 1	45 V 45 V 45 V 30 V 30 V	45V 45V 45V 25V 25V	5V 5V 5V 5V	100MA 100MA 100MA 200MA 200MA	175C	300MWF 300MWF 300MWF 300MWF 300MWF	130M 130M 130M 100M 100M	7 P 7 P 7 P 7 P 7 P	70 MN 120 MN 180 MN 70 MN 120 MN	2MA	ALG ALG ALG ALG ALG	SID	BCY70 BCY71 BCY71 BCY70 BCY71	2N3965 2N3965 2N3965 2N3965 2N3965	0 0 0 0
BC178B BC179 BC179A BC179B BC181	PG PS PS PS	T018 T018 T018 T018	LC1 LC1 LC1 LC1 L19	30V 25V 25V 25V 40V	25V 20V 20V 20V 25V	5 V 5 V 5 V 5 V 5 V	200MA 50MA 50MA 50MA 200MA	175C 175C 175C 175C 175C	30CMWF 300MWF 300MWF 300MWF 300MWF	100M 100M 100M 100M 100M	7P 7P 7P 7P	180MN 70MN 120MN 180MN 60MN	2MA 2MA 2MA 2MA 2MA	ALG ALA ALA ALG	SID SID SID SID	BCY71 BCY70 BCY71 BCY71 BC237	2N3965 2N3965 2N3965 2N3965 2N5825	0 0 0 0
BC181A BC182K BC182KA BC182KB BC182L	PS NS NS NS	X10 X10 X10 X10 X10 T092	L19 L20 L20 L20 L21	40 V 60 V 60 V 60 V 60 V	25V 50V 50V 50V 50V	5 V 5 V 5 V 5 V	200MA 200MA 200MA 200MA 200MA	150C 150C 150C 150C 150C	300MWF 300MWF 300MWF 300MWF 300MWF	100M 150M 150M 150M 150M	5P 5P 5P 5P	100MN 120MN 120MN 240MN 120MN	2MA 2MA 2MA 2MA 2MA	ALG ALG ALG ALG ALG	TIB TIB TIB TIB TIB	8C237 8C237 8C237 8C237 8C237 8C182L	2N5825 2N5825 2N5825 2N5825 2N5825 2N5209	0 0 0 0
BC182LA BC182LB BC183K BC183KA BC183KB	NS NS NS NS	T092 T092 X10 X10 X10	L21 L21 L20 L20 L20	60V 60V 45V 45V 45V	50 V 50 V 30 V 30 V 30 V	5 V 5 V 5 V 5 V	200PA 200MA 200MA 200PA 200PA	150C 150C 150C 150C 150C	300MWF 300MWF 300MWF 300MWF 300MWF	150M 150M 150M 150M 150M	5P 5P 5P 5P	120MN 240MN 120MN 120MN 240MN	2MA 2MA 2MA 2MA 2MA	ALG ALG ALG ALG ALG	T 18 T 18 T 1 8 T 1 8 T 1 8	8C182L 8C182L 8C237 8C237 8C237	2N5209 2N5209 2N5825 2N5825 2N5825	0 0 0 0
BC183KC BC183L BC183LA BC183LB BC183LC	NS NS NS NS	X10 T092 T092 T092 T092	L20 L21 L21 L21 L21	45V 45V 45V 45V 45V	30V 30V 30V 30V 30V	5V 5V 5V 5V 5V	200MA 200MA 200MA 200MA 200MA	150C 150C 150C 150C 150C	300MWF 300MWF 300MWF 300MWF 300MWF	150 M 150 M 150 M 150 M 150 M	5P 5P 5P 5P	450MN 120MN 120MN 240MN 450MN	2MA 2MA 2MA 2MA 2MA	ALG ALG ALG ALG ALG	T18 T18 T18 T18 T18	8C237 8C182L 8C182L BC182L 8C182L	2N5209 2N5209	0 0 0 0
BC184KB BC184KB BC184KC BC184L BC184LB	NS NS NS NS	X10 X10 X10 T092 T092	L20 L20 L20 L21 L21	45V 45V 45V 45V 45V	30V 30V 30V 30V 30V	5V 5V 5V 5V	200MA 200MA 200MA 200MA 200MA	150C 150C	300MWF 300MWF 300MWF 300MWF 300MWF	150 M 150 M 150 M 150 M 150 M	5 F 5 P 5 P 5 P	240 MN 240 MN 450 MN 240 MN 240 MN	2MA 2MA 2MA 2MA 2MA	ALN ALN ALN ALN	TIE TIE TIE TIE	BC239 BC239 BC239 BC184L BC184L	2N5827 2N5827 2N5827 2N5827 2N5210 2N5210	0 0 0 0
BC184LC BC185 BC186 BC187 BC190A	NS NS PS PS NS	TC92 T039 T018 T018	L21 L04 LC1 LC1 LC1	45 V 40 V 40 V 30 V 64 V	30V 40V 25V 25V 64V	5V 5V 5V 5V	1	15 0C 20 0C 1 7 5C 1 7 5C 1 5 0C	300MWF 700MWF 300MWF 300MWF 300MWF	150 M 200M 50M 50M 100 M	5P 8P 7P 7P 6P	450MN 40MN 40MN 100MN 125MN	2MA 1 GOMA 2MA 2MA 2MA	ALN RMG ALA ALA ALG	TIB SGI MUB MUB ITB	BC184L BSW54 BCY70 BCY71 BC107	2N5210 2N2219A 2N3965 2N3965 2N929	0 0 0 0
BC190B BC192 BC204 BC204A BC204B		T018 T018 T0106 T0106 T0106	L17	64V 25V 45V 45V 45V	64V 25V 45V 45V 45V	5 V 5 V 5 V 5 V	100MA 500MA 100MA 100MA 100MA	125C		100M 100M 100M 100M 100M	6P 12P 6P 6P 6P	240MN 60MN 75MN 125MN 240MN	2MA		FCU	BC109 BSW24 BC204 BC307 BC309	2N930 2N2907A 2N4248 2N6015 2N6003	0 0 0 0
BC205A BC205A BC205E BC206 BC206A	PS PS PS	T0106 T0106 T0106 T0106 T0106	L17 L17 L17	20V 20V 20V 20V 20V	20 V 20 V 20 V 20 V 20 V	5 V 5 V 5 V 5 V 5 V	100MA 100MA 100MA 100MA 100MA	1 25C 1 25C 1 25C	300MWF 300MWF 300MWF 300MWF 300MWF	100M 100M 100M	6P 6P 6P 6P	75MN 125MN 240MN 125MN 125MN	2 MA 2 MA 2 MA	ALN ALN	FCU FCU SGI	BC204 BC309 BC309 BC206 BC309	2N4 248 2N6003 2N6003 2N4 250 2N6003	0 0 0 0
BC2068 BC207 BC207A BC207B BC208	NS NS NS	T0106 T0106 T0106 T0106 T0106	L17 L17 L17	20V 45V 45V 45V 20V	20V 45V 45V 45V 20V	*5 V 5 V 5 V 5 V 5 V	100MA 100MA 100MA 100MA 100MA	125C 125C 125C	300MWF 300MWF 300MWF 300MWF 300MWF	100M 150M 150M 150M 150M	6P 5P 5P 5P 5P	240MN 75/500 125MN 240MN 75/900	2MA 2MA 2MA	ALG ALN	FCU FCU	BC 309 BC 207 BC 207 BC 239 BC 207	2N6003 2N4966 2N4966 2N5827 2N4966	0 0 0 0
BC208A BC208B BC208C BC209 BC209B	NS NS NS	T01C6 T01C6 T01C6 T01C6 T01C6	L17 L17 L17	20V 20V 20V 45V 45V	20V 20V 20V 45V 45V	5 V 5 V 5 V 5 V	100MA 100MA 100MA 100MA	125C 125C 125C	300MWF 300MWF 300MWF 300MWF 300MWF	150 M 150 M 150 M	5 P 5 P 5 P 5 P	125 MN 240 MN 450 MN 240 MN 240 MN	2MA 2MA 2MA	ALG ALN ALN ALN ALN	FCU FCU SGI	8C207 8C239 8C239 8C239 8C209 8C239	2N4966 2N5827 2N5827 2N5827 2N4967 2N5827	0 0 0 0
BC211 BC211 BC211A BC212	NS NS	T01C6 T018 T039 T039 X10	L 17 L 01 L 04 L 04 L 20	45V 50V 8CV 100V 60V	45V 25V 40V 60V 50V	5V 4V 7V 5V 5V		175C 175C 175C	30 CMWF 45 0MWF 80 CMWF 80 0MWF 30 0MWF	150 M 100 M 30 M 50 M 200 M		450MN 20MN 40MN 40/250 60/300	150MA 30CMA 150MA	ALN AMG AMG AMH ALG	MIS MIS SEU	BC239 BSX33 BFY51 BFY50 BC307	2N5827 2N731 2N2297 2N2297 2N6015	0 0 0 0
BC212A BC212B BC212K BC212KA BC212KA	PS PS	X10 X10 X10 X10 X10	L2C L20 L20 L20 L20	60V 60V 60V 60V	50V 50V 50V 50V 50V	5V 5V 5V 5V	200MA 200MA 200MA 200MA 200MA	150C 150C 150C	300MWF 300MWF 300MWF 300MWF 300MWF	200M 200M 200M 200M 200M	10P	100 MN 200 MN 50 MN 100 200 MN	5MA 2MA 2MA	ALG ALG ALG ALG ALG	TFK TIB TIB	BC307 BC307 BC307 BC307 BC307	2N6 01 5 2N6 01 5 2N6 01 5 2N6 01 5 2N6 01 5	0 0 0 0
BC212L BC212LA BC212LB BC213L BC213K	PS PS	T092 T092 T092 T092 X10	L21 L21 L21 L21 L20	60V 60V 60V 45V 45V	50V 50V 50V 30V 30V	5 V 5 V 5 V 5 V 5 V	200MA 200MA 200MA 200MA 200MA	150C 150C 150C	300MWF 300MWF 300MWF 300MWF 300MWF	200 P 200 M 200 M 200 M 200 P	10P 10P 10P	50MN 100MN 200MN 70MN 70MN	2MA 2MA	ALG ALG ALG ALG ALG	118 118 118		2N5086 2N5086 2N5086 2N5086 2N6003	00000
BC213KA BC213KB BC213KC BC213LA BC213LB	PS PS PS	X10 X10 X10 T092 T092	L2C L2C L2C L21 L21	45 V 45 V 45 V 45 V 45 V	30V 30V 30V 30V 30V	5 V 5 V 5 V 5 V 5 V	20 CMA 20 OMA 20 OMA 20 OMA 20 OMA	150C 150C 150C	300MWF 300MWF 300MWF 300MWF 300MWF	200M	10P 10P 10P	100MN 200MN 350MN 100MN 200MN	2MA 2MA 2MA	AL G	T 18 T 18	BC309 BC309 BC309 BC213L BC212L	2N6003 2N6003 2N6003 2N5086 2N5086	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	T	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
BC213LC BC214K BC214KB BC214KC BC214L	PS PS PS PS	T092 X10 X10 X10 T092	L21 L20 L20 L20 L20 L21	45 V 45 V 45 V 45 V 45 V	30 V 30 V 30 V 30 V 30 V	5 V 5 V 5 V 5 V	200MA 200MA 200MA 200MA 200MA	150C 150C 150C 150C 150C	300 MWF 300 MWF 300 MWF 300 MWF	200M 200M 200M 200M 200M	10P 10P 10P	350MN 125MN 200MN 350MN 125MN	2MA 2MA 2MA 2MA 2MA	ALN ALN ALN	TIB TIB	BC 212L BC 309 BC 309 BC 309 BC 214L	2N5086 2N6003 2N6003 2N6003 2N6003	0 0 0 0
BC214LB BC214LC BC215 BC220 BC221	PS PS PS NS PS	T092 T092 T018 T0106 T0105		45 V 45 V 50 V 30 V 30 V	30V 30V 30V 25V 30V	5 V 5 V 5 V 5 V	200MA 200MA 500MA 50MA 500MA	150C 150C 200C 125C 125C	300MWF 300MWF 40CMWF 200MWF 300MWF	200M 200M 150M 60M 75M	10P 10P 8P 6P 15P	200MN 350MN 40MN 100MN 50MN	2MA 2MA 150MA 1MA 10MA	ALN ALN AMG ALG AMG	TIB TIB MIS SGI MCB	BC214L BC239 BSW24 BC207 BFS95	2N5087 2N5827 2N2907A 2N4966 2N4036	0 0 0 0
BC222 BC223 BC223A BC223B BC224	NS NS NS NS PS	T0105 X10 X10 X10 TC92	L04 L20 L20 L20 L14	30V 50V 50V 50V 30V	30 V 30 V 30 V 30 V 30 V	5V 5V 5 V 5 V	500MA 400MA 400MA 400MA 30MA	125C 150C 150C 150C 150C	300MWF 360MWF 360MWF 360MWF 250MWF	55 M 100 M 100 M 100 M	20 P 10 P 10 P 10 P 6 P	50MN 100MN 100MN 200MN 150MN	10 MA 5 0 MA 5 0 MA 5 0 MA 1 MA	AMG ALG ALG ALG ALN	TIW TIW TIW	BFY50 BC237 BC237 BC239 BC214L	2N2297 2N5825 2N5825 2N5827 2N5087	0 0 0
BC225 BC226 BC231A BC231B BC232A	PS NS PS PS NS	T01C6 T039 T092 T092 T092	L 17 L 04 L 14 L 14 L 14	40V 40V 40V 40V 40V	40V 30V 30V 30V 30V	5V 5V 5V 5V	100MA 500MA 400MA 400MA 400MA	150C 150C	200MWF 800MWF 625MWF 625MWF 625MWF	100M 30M 100M 100M 100M	8P 25P 10P 10P	90MN 130MN 100MN 200MN 100MN	10MA 1COMA 50MA 50MA 50MA	ALG AMG ALG ALN ALG	SGI SGI SGI TIW	BC204 BFY51 BC212L BC214L BC182L	2N4249 2N2297 2N5086 2N5087 2N5209	0 0 0
BC232B BC236 BC237 BC237A BC237B	NS NS NS NS	T092 T0106 X10 X10 X10	L 14 L 17 L 2C L 20 L 20	40 V 120 V 50 V 50 V 50 V	30 V 120 V 45 V 45 V 45 V	5 V 5 V 6 V 6 V	400MA 50MA 100MA 100MA 100MA	1 25C 1 25C	625MWF 300MWF 300MWF 300MWF 300MWF	100M 40M 150M 150M 150M	10P 8P 5P 5P 5P	200MN 30MN 110MN 110MN 200MN	50MA 30MA 2MA 2MA 2MA	ALG ALH ALG ALG ALG		BC184L BC394 BC237 BC237 BC237	2N 52 10 2N 4390 2N 5825 2N 5825 2N 5825	0 0 0 0
BC238 BC238A BC238B BC238C BC239	NS NS NS NS	X10 X10 X10 X10 X10	L20 L20 L20 L20 L20 L20	30 V 30 V 30 V 30 V 30 V	20V 20V 20V 20V 20V	5 V 5 V 5 V 5 V	100MA 100MA 100MA 100MA	125C 125C	300MWF 300MWF 300MWF 300MWF 300MWF	150M 150M 150M 150M 150M	5P 5P 5P 5P 5P	110MN 110MN 200MN 420MN 200MN	2 M A 2 M A 2 M A 2 M A 2 M A	ALG ALG	MUB MUB MUB MUB	BC 237 BC 237 BC 237 BC 237 BC 239	2N 5825 2N 5825 2N 5825 2N 5825	0 0 0 0
BC 239E BC 239C BC 250 BC 250A BC 250B	NS NS PS PS	X10 X10 X10 X10 X10	L20 L20 L20 L20 L20	30V 30V 20V 20V 20V	20V 20V 20V 20V 20V	5 V 5 V 5 V 5 V	100MA 100MA 100MA 100MA 100MA	1 25C 1 50C 1 5 0 C	300MWF 300MWF 300MWF 300MWF 300MWF	150M 150M 100M 100M 100M	5P 5P 6P 6P	200MN 420MN 35MN 35MN 80MN	2 M A 2 M A 1 M A 1 M A	ALN ALG ALG	116	BC 239 BC 239 BC 307 BC 307 BC 307	2N5827 2N5827 2N6015 2N6015 2N6015	0 0 0 0
BC250C BC251A BC251B BC251C BC252A	PS PS PS PS	X10 X10 X10 X10 X10 X10	L20 L20 L20 L20 L20	20V 45V 45V 45V 25V	20V 45V 45V 45V 25V	5V 5V 5V 5 V	100MA 100MA 100MA 100MA 100MA	150C 150C 150C 150C 150C	300MWF 300MWF 300MWF 300MWF 300MWF	100M 80M 80M 80M 80M	6P 6P 6P 6P	200MN 120MN 240MN 450MN 120MN	1MA 2MA 2MA 2MA 2MA	ALG ALG ALG ALG ALG	ITB ITB	BC307 BC307 BC307 BC307 BC307	2N6015 2N6015 2N6015 2N6015 2N6015	0 0 0 0
BC252B BC252C BC253A BC253B BC253C	PS PS	X1C X1C X1O X1O X1O	L20 L20 L20 L20 L20	25V 25V 25V 25V 25V	25V 25V 25V 25V 25V	5V 5V 5V 5V	100MA 100MA 100MA 100MA	150C 150C 150C	300 MWF 300 MWF 300 MWF 300 MWF 300 MWF	408 408 408 M08 M08	6P 6P 6P 6P	240MN 450MN 120MN 240MN 450MN	2MA	ALN	118 118 118	BC307 BC307 BC309 BC309	2N6015 2N6015 2N6003 2N6003 2N6003	0 0 0 0
BC256A BC256B BC257 BC257A BC257B	PS PS	X10 X10 T092 T092 T092	L 20 L 20 L 14 L 14 L 14	64V 64V 45V 45V 45V	64V 64V 45V 45V 45V	5V 5 V 5 V 5 V	100MA 100MA 100MA 100MA		300MWF	75 M 75 M 1 30 M 1 30 M 1 30 M	6P 6P 6P 6P	120MN 240MN 70MN 120MN 180MN	2MA 2MA 2MA	ALG ALG ALG ALG ALG	1 TB S I D S I O	BC307 BC307 BC212L BC212L BC212L		0 0 0 0
BC258 BC258A BC258B BC259 BC259A	PS PS PS PS	T092 T092 T092 T092 T092	L14 L14 L14 L14 L14	25V 25V 25V 20V 20V	25V 25V 25V 20V 20V	5 V 5 V 5 V 5 V 5 V	100MA 100MA 100MA 100MA 100MA	150C 150C	300MWF 300MWF 300MWF 300MWF 300MWF		6 P 6 P 6 P 6 P	70MN 120MN 180MN 120MN 120MN	2MA 2MA	ALG	SID	BC212L BC212L BC212L BC214L BC214L BC214L	2N5086 2N5286 2N5086 2N5087 2N5087	0 0 0 0
BC 259B BC 260 BC 260A BC 260B BC 260C		T092 T018 T018 T018 T018	L14 LC1 LO1 LC1 LC1	20 V 20 V 20 V 20 V 20 V	20V 20V 20V 20V 20V	5 V 5 V 5 V 5 V 5 V	100MA 100MA	150C 175C 175C 175C 175C	300MWF 300MWF 300MWF	130M 100M 100M 100M 100M	6P 6P 6P 6P	180MN 35MN 35MN 80MN 200MN	1 M A 1 M A 1 M A	ALA ALA ALA	ITB ITB ITB	BC214L BCY70 BCY70 BCY71 BCY71	2N5087 2N3965 2N3965 2N3965 2N3965	0 0 0 0
BC261 BC261A BC261B BC261C BC262		T018 T018 T018 T018	LC1 LC1 LC1 LC1 LC1	45V 45V 45V 45V 25V	45V 45V 45V 45V 25V	5 V 5 V 5 V 5 V	100MA 100MA 100MA	1 7 5C	300MWF 300MWF 300MWF 300MWF 300MWF	100M 100M 100M 100M 100M	6P 6P 6P 6P	125MN 125MN 240MN 450MN 125MN	2MA 2MA 2MA	ALA ALA	178 178 178	BCY71 BCY71 BCY71 BCY71 BCY71	2N 396 5 2N 396 5 2N 3 96 5 2N 3 96 5 2N 3 96 5	00000
BC262A BC262B BC262C BC263 BC263A	PS PS PS PS	T018 T018 T018 T018	L01 L01 L01 L01 L01	25 V 25 V 25 V 25 V 25 V	25V 25V 25V 25V 25V	5V 5V 5V 5V	100MA 100MA 100MA	175C 175C 175C 175C 175C	300MWF 300MWF 300MWF 300MWF 300MWF	100M 100M 100M 100M 100M	6P 6P 6P 6P	125MN 240MN 450MN 125MN 125MN	2MA 2MA 2MA	ALA ALA	ITB ITB	BCY71 BCY71 BCY71 BCY71 BCY71	2N3965 2N3965 2N3965 2N3965 2N3965	00000
BC263B BC263C BC264 BC266A BC266B	FE PS	T018 TC18 TC18 T018	L01 L01 L01	25 V 25 V 64 V 64 V	25V 25V 64V 64V	5V 5V 5V 5V	100MA	175C 175C 175C 175C	300MWF 30CMWF 300MWF 300MWF	100 M 100 M 200 M 200 M	6P 6P 6P	240MN 450MN 125MN 240MN	2 M D	FET Ala		BCY71 BCY71 BCY71 BCY71	2N3965 2N3965 2N3965 2N3965	0000
8C267 8C268 8C269 8C270 8C271	NS NS NS	T018 T018 T018 T018 T018	L01 L01 L01 L01 L01	50V 30V 30V 20V 25V	45V 20V 20V 20V 25V	V3 V3 V3 V3 V8	1A	175C 175C 175C 175C 175C	375MWF 375MWF	150 M 150 M 150 M 150 M 100 M	12P 12P 12P	125MN 125MN 240MN 50MN 100MN	2MA 2MA	AMG AMG AMG AMG ALG	ITA ITA ITA	BFX95 BFX95 BFX95 BFX95 BFX95	2N2222A 2N2222A 2N2222A 2N2222A 2N2222A 2N2222A	0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	I C MAX	T J MAX	P TOT	T	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
BC272 BC280 BC281 BC282 BC283	NS NS PS NS	TC18 TO18 TO18 TO18	LC1 LC1 LC1 LC1 LC1	45 V 45 V 45 V 60 V 30 V	45V 40V 45V 30V 30V	8 V 6 V 6 V 5 V	300MA 100MA 200MA 600MA		300MWF 360MWF 360MWF 400MWF 400MWF	100M 100M 100M 100M	6P 9P 10P	125MN 180MN 50MN 50MN 40MN	1 CMA 1 MA 1 MA 5 OMA 5 OMA	ALA ALA AMG	ATI ATI ATI	BFX95 BC109 BC Y70 BFX95 BSW24	2N2 22 2A 2N9 30 2N3 96 5 2N2 22 2A 2N2 90 7A	0 0 0
BC284 BC285 BC286 BC287 BC288	NS NS PS NS	T018 T018 T039 T039 T039	LC1 LO1 LC4 LC4 LC4	40V 120V 70V 60V 80V	40V 120V 60V 60V 40V	5 V 5 V 5 V 5 V 6 V	200MA 100MA 1A 1A 5A	200C 200C 200C 200C 200C	500MWF 360MWF 800MWF 800MWF 800MWF	50M 50M 50M 100M 40M	4P 20P	100MN 30MN 20MN 20MN 20MN	10MA 5MA 500MA 500MA 2A	ALA ALS AMG AMG AMG	SGI SGI	BFX95 BC285 BFY50 BC143 BFY51	2N2222A 2N1990R 2N2297 2N4037 2N2297	
BC293 BC294 BC297 BC298 BC30G	NS PS PS PS NS	TC39 TO5 TO18 TO18 TO39	LC4 L04 LC1 LC1 LC4	80V 60V 50V 30V 120V	60V 60V 45V 25V 80V	6 V 5 V 5 V 5 V 7 V	5A 600MA 1A 1A	200C 175C 175C	800MWF 600MWF 375MWF 375MWF 850MWF	100 M		30MN 100MN 75MN 75MN 40MN	2A 150MA 100MA 100MA 150MA	AMG AMG AMS AMS	ATI ATI ATI	BFY51 BFX30 BC297 BFX95 BC300	2N2297 2N2905A 2N2907A 2N2222A 2N1893	0
8C301 BC302 BC303 BC304 BC307	NS NS PS PS PS	T039 T039 T039 T039 X10	£04 £04 £04 £04 £20	90V 80V 90V 80V 50V	60V 45V 65V 45V 45V	7V 7V 7V 7V 5V	1 A 1 A 1 A 1 A 1 O C M A		850MWF 850MWF 850MWF 850MWF 300MWF	60 M 60 M 40 M 40 M 100 M	15P 15P 25P 25P 8P	40 MN 40 MN 40 MN 40 MN 75 MN	150 MA 150 MA 150 MA 150 MA 2 MA	AMG AMG	ATI	BC300 BFY50 BC143 BC143 BC307	2N1893 2N2297 2N4037 2N4037 2N6015	0 0 0 0
BC 30.7A BC 30.7B BC 30.7C BC 30.8 BC 30.8 A	PS PS PS PS	X10 X10 X10 X10 X10	L2C L20 L20 L2C L2C	50V 50V 50V 30V	45V 45V 45V 25V 25V	5V 5V 5V 5V	100MA 100MA 100MA 100MA	125C	300MWF 300MWF 300MWF 300MWF 300MWF	130 M 130 M 130 M 100 M 100 M	6P 6P 6P 8P 8P	125MN 240MN 500TP 75MN 125MN	2MA 2MA 2MA 2MA 2MA	ALG ALG ALN ALG ALG	ITB MUB	BC 307 BC 307 BC 309 BC 307 BC 307	2N6015 2N6015 2N6003 2N6015 2N6015	0 0 0 0
EC 308B BC 308C BC 309 BC 309A BC 309B	PS PS PS PS	X10 X10 X10 X10 X10	L2C L20 L20 L2C L2C	30 V 30 V 25 V 25 V 25 V	25V 25V 20V 20V 20V	5 V 5 V 5 V 5 V	100MA 100MA 100MA 100MA	125C 125C	300MWF 300MWF 300MWF 300MWF 300MWF	100M 100M 100M 100M 100M	8 F 8 P 8 P 8 P	240 MN 450 MN 125 MN 125 MN 250 MN	2MA 2MA 2MA 2MA 2MA	ALG ALG ALN ALN	SID MUB SID		2N6015 2N6015 2N6003 2N6003 2N6003	0 0 0 0
BC309C BC310 BC311 BC312 BC313	PS NS PS NS PS	X10 1039 1039 1039 1039	L20 L04 L04 L04 L04	25 V 70 V 70 V 10 CV 60 V	20 V 70 V 70 V 100 V 40 V	5 V 5 V 5 V 5 V	100MA 1A 1A 150MA 1A	20 0C 20 0C 2 00C	300MWF 800MWF 800MWF 800MWF 800MWF	100M 50M 100M 100M 50M	20 P	270TP 40MN 40MN 50MN 40/250	1 CUA 200MA 200MA 30MA 150MA	A M G	SGI SGI SGI	BC309 BFY50 BC143 BC300 BC143	2N6003 2N2297 2N4037 2N1893 2N4037	0 0 0
BC313A BC314 BC315 BC317 BC317	PS NS PS NS	T039 T0106 X10 T092 T092	L 04 L 17 L 20 L 14 L 14	80 V 120 V 45 V 50 V 50 V	60 v 120 v 35 v 45 v 45 v	5 V 5 V 6 V 6 V	1 A 100MA 100MA 150MA	150C 135C	800MWF 180MWF 30CMWF 310MWF 31CMWF	50M 50M 200M 100M	6P 10P 4P	40/250 30MN 100MN 110MN 110MN	150MA 25MA 2MA 2MA 2MA	ALH ALN ALG	SGI	BC394 BC309 BC167	2N4037 2N4390 2N6003 2N5209 2N3903	0 0 0 0
BC317A BC317B BC318 BC318A BC318B		1092 1092 1092 1092 1092	L14 L14 L14 L14 L14	50V 50V 40V 40V 40V	45 V 45 V 30 V 30 V 30 V	1	150MA 150MA 150MA 150MA 150MA	135C 135C 135C	310MWF 310MWF 310MWF 310MWF	100M	4 P 4 P 4 P	110MN 200MN 110MN 110MN 200MN	2 M A	ALG ALG ALG	MOU MOU MOU	BC167 BC167 BC167 BC167 BC167	2N5209 2N5209 2N5209 2N5209 2N5209	0 0 0 0
8C318C 8C319 8C3198 8C319C 8C320	NS	1092 1092 1092 1092 1092	L 14 L 14 L 14 L 14 L 14	40V 30V 30V 30V 50V	30V 20V 20V 25V 45V	5 V	150MA 150MA 150MA 150MA 150MA	135C 135C 135C	310MWF 310MWF 310MWF 310MWF 310MWF	100M	4 P 4 P	400 MN 200 MN 200 MN 400 MN 110 MN	2MA 2MA 2MA	ALN	MOU MOU MOU	BC169 BC169 BC169 BC169 BC32C	2N5210 2N5210 2N5210 2N5210 2N5210 2N5086	0 0 0 0
BC320A BC320H BC321 BC321A BC321B			L14 L14 L14 L14 L14	50V 50V 40V 40V 40V	45V 45V 30V 30V 30V	5 v	150MA 150MA 150MA 150MA 150MA	135C 135C 135C	31CMWF 31CMWF 31OMWF 31OMWF 31OMWF	100M 100M	4 P 4 P 4 P	110 MN 200 MN 110 MN 110 MN 200 MN	2MA 2MA	ALG ALG ALG	M0U M0U M0U	BC 320 BC 320 BC 320 BC 320 BC 320	2N5086 2N5086 2N5086 2N5086 2N5086	0000
BC322B BC322B BC322C BC323 BC324	PS PS PS NS	T092 T092 TC39	L 14 L 14 L 14 L C4 L C4	30V 30V 30V 100V 85V	20V 20V 20V 60V 55V	5 V 5 V 5 V	150MA 150MA 150MA 5A	135C 200C	31 CMWF 31 CMWF 31 OMWF 80 OMWF 80 OMWF	100M	4P 4P 80P	110MN 200MN 400MN 50MN 20MN	2 M A	ALN ALN AMG	M CU M CU SG I	BC322 BC322 BC322 BFY50 BFY50	2N5087 2N5087 2N5087 2N5087 2N2297 2N2297	00000
BC 32 5 BC 32 6 BC 32 7 BC 32 7/16 BC 32 7/25	PS PS	T018 T018 X10 X10 X10	LC1 LC1 L20 L20 L20	60V 60V 50V 50V 50V	60 V 60 V 45 V 45 V	6 V 5 V 5 V	5 CMA 50 MA 80 CMA 80 CMA 80 CMA	200C 150C 150C	360MWF 360MWF 500MWF 500MWF 500MWF	60M		100MN 40MN 63MN 100MN 160MN	100MA 100MA	ALA AMG AMG	S I D S I D	BCY71 BCY71 BC327 BC327 BC327	2N3965 2N3965 2N5819 2N5819 2N5819	0 0 0 0
BC327/40 BC328 BC328/16 BC328/25 BC328/40	PS PS	X10 X10 X10 X10 X10 X10	F 5 C F 5 C F 5 C F 5 C	30V 30V 30V	45V 25V 25V 25V 25V	5 v 5 v 5 v	AMOO8 AMOO8 AMOO8 AMOO8	150C 150C 150C	500MWF 500MWF 500MWF 500MWF 500MWF	60 M 60 M 60 M	18P 18P 18P 18P	250MN 63MN 100MN 160MN 250MN	1 C C M A 100 M A 100 M A 1 C O M A	AMG AMG	012 012	BC327 BC327 BC327 BC327 BC327	2N5819 2N5819 2N5819 2N5819 2N5819	0 0 0 0
8C329E 8C329C 8C330B BC33CC BC331A	NS NS	X10 X10 X10 X10 X10	L20 L20 L20 L20 L20	60 V 45 V 45 V	60V 60V 45V 45V 60V	6V 6V 6V	30MA 30MA 30MA	150C 150C 150C 150C 150C	250MWF 250MWF 250MWF 220MWF 250MWF	100 M	3P 3P 3P	220MN 220MN 220MN 220MN 220MN 100MN	2MA 2MA 2MA	ALN	TIW	BC239	2N5827 2N5827 2N5827 2N5827 2N5827 2N5825	0 0 0 0
8C3318 8C331C 8C332A 8C332B 8C332C	NS NS NS	X10 X10 X10 X10 X10	L20 L20 L20 L20 L20	60V -45V 45V	60V 60V 45V 45V	6V 6V 6V	30MA 30MA 30MA	150C 150C 150C 150C	250MWF 250MWF 250MWF 250MWF 250MWF	100M	3 P 3 P 3 P	100 MN 100 MW	2 M A 2 M A	AL G AL G	TIW TIW	BC 237 BC 237 BC 237 BC 237 BC 237	2N5825 2N5825 2N2825 2N2825 2N2825 2N5825	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	T	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
BC333 BC334 BC335 BC336 BC337	NS PS NS PS	T092 T092 T092 T092 X10	L14 L14 L14 L14 L20	25V 25V 25V 25V 25V 50V	25 V 25 V 25 V 25 V 45 V	5V 5V 5V 5V	50MA 50MA 50MA 50MA 800MA	135C 135C 135C	31 CMWF 31 CMWF 31 CMWF 31 CMWF 36 CMWF	50M 50M 50M 50M 60M	4P 4P 4P 4P 20P	100MN 100MN 100MN 100MN 100MN	1 COUA 1 COUA 1 COUA 1 OOUA 1 OOMA	ALG ALN ALN	мов	BC320 BC320 BC322 BC322 BC337	2N5 08 6 2N5 28 6 2N5 08 7 2N5 08 7 2N5 08 7 2N5 81 8	0 0 0 0
BC337/16 BC337/25 BC337/40 BC338 BC338/16	NS NS NS NS	X10 X10 X10 X10 X10	L20 L20 L20 L20 L20	50 V 50 V 50 V 30 V 30 V	45V 45V 45V 20V 20V	5 V 5 V 5 V 5 V	800MA 800MA 8000B 8000B	150C 150C 150C	360MWF 360MWF 360MWF 360MWF 360MWF	60M 60M 60M 400	20 P 20 P 20 P 20 P 20 P	100MN 160MN 250MN 100MN 100MN	1 COMA 1 COMA 100 MA 100 MA 100 MA	AMG AMG AMG	SID SID SID	BC 337 BC 337 BC 337 BC 337 BC 337	2N5818 2N5818 2N5818 2N5818 2N5818	0 0 0 0
BC338/25 BC338/40 BC340 BC340/6 BC340/10	NS NS NS NS	X10 X10 T039 T039 T039	L20 L20 L04 L04 L04	30 V 30 V 40 V 40 V	20 V 20 V 40 V 40 V 40 V	5 V 5 V 5 V 5 V	800MA 800MA 500MA 500MA 500MA	150C 150C 200C 200C 200C	36 CM WF 36 OM WF 80 OM WF 80 CM WF	60M 60M 50M 50M 50M	20P 20P 12P 12P 12P	160MN 250MN 40MN 40MN 63MN	100MA 100MA 50MA 50MA 50MA	AMG AMG AMG AMG AMG	SID SID ITB ITB ITB	BC 337 BC 337 BFY50 BFY50 BFY50	2N 5818 2N 5818 2N 2 297 2N 2 297 2N 2 297	0 0 0 0
BC340/16 BC341 BC341/6 BC341/10 BC342	NS NS NS NS	T039 T039 T039 T039 T05	L04 LC4 L04 L04 LC4	40 V 60 V 60 V 60 V 70 V	40 V 60 V 60 V 60 V	5 V 5 V 5 V 5 V	500MA 500MA 500MA 500MA	200C 200C 200C	800MWF 800MWF 800MWF 800MWF 800MWF	60 M	12P 10P 10P 10P 20P	100MN 40MN 40MN 63MN 20MN	50MA 50MA 50MA 50MA 50MA		ITB ITB ITB ITB MCU	BFY51 BFY50 BFY50 BFY50 BFY50	2N2297 2N2297 2N2297 2N2297 2N2297	0 0 0 0
BC343 BC344 BC345 BC347 BC347A	PS NS PS NS	105 105 105 1092 1092	L04 L04 L04 L14	70V 70V 90V 50V	60V 60V 80V 45V 45V	5 V 5 V 5 V 5 V	1A 1A 1 A 1 O O M A 1 O O M A	135C	EOOMWF BOCMWF BOOMWF BOCMWF BOOMWF	100M 100M 100M 125M 125M	20P 20P 20P 4P 4P	20MN 20MN 20MN 40MN 110MN	500MA 150MA 150MA 2MA 2MA	AMG AMG AMG ALG ALG	MCU MOB	BC143 BFY50 BC143 BC167 BC347A	2N4037 2N2297 2N4037 2N5209 2N3903	0 0 0
BC347B BC347L BC348 BC348A BC348B	NS NS NS NS	1092 1092 1092 1092 1092	L14 L14 L14 L14 L14	50V 50V 40V 40V 40V	45V 45V 30V 30V 30V	5 V 5 V 5 V 5 V	100MA 100MA 100MA 100MA	135C 135C 135C	300MWF 300MWF 300MWF 300MWF 300MWF	125M 125M 125M 125M 125M	4P 4P 4P 4P	200MN 40MN 40MN 110MN 200MN	2MA 2MA 2MA 2MA 2MA	ALG ALG ALG ALG ALG	MOB MOB MOB MOB MOB	BC347A BC167 BC167 BC167 BC169	2N3903 2N5209 2N5209 2N5209 2N5210	0 0 0 0
BC348L BC349 BC349A BC349B BC349L	NS NS NS NS NS	T092 T092 T092 T092 T092	L14 L14 L14 L14 L14	40V 30V 30V 30V 30V	30 v 20 v 20 v 20 v 20 v	5V 5V 5V 5V	100MA 100MA 100MA 100MA	135C 135C 135C	300MWF 300MWF 300MWF 300MWF 300MWF	125 M 125 M 125 M 125 M 125 M	4P 4P 4P 4P	40MN 40MN 110MN 200MN 40MN	2MA 2MA 2MA 2MA 2MA	ALG ALN ALN ALN ALN	MOB MOB MOB MCB MOB	BC169 BC169 BC169	2N5209 2N5210 2N5210 2N5210 2N5210	0 0 0
BC350 BC35CA BC35CB BC350L BC351	PS PS PS PS	T092 T092 T092 T092 TC92	L 14 L 14 L 14 L 14 L 14	50V 50V 50V 50V 40V	45 V 45 V 45 V 45 V 30 V	5 V 5 V 5 V 5 V	100MA 100MA 100MA 100MA	135C 135C 135C	30CMWF 300MWF 300MWF 300MWF 300MWF	125 M 125 M 125 M 125 M 125 M	4P 4P 4P 4P	40MN 110MN 200MN 40MN 40MN	2MA 2MA 2MA 2MA 2MA	ALG ALG ALG ALG ALG	MOB MOB MOB		2N5086 2N5086 2N5087 2N5086 2N5086	0 0 0 0
BC 351A BC 351B BC 351L BC 352 BC 352A	PS PS PS PS	T092 T092 T092 T092 T092	L14 L14 L14 L14 L14	40 V 40 V 40 V 30 V 30 V	30V 30V 30V 20V 20V	5 V 5 V 5 V 5 V	100MA 100MA 100MA 100MA 100MA	1350 1350 1350	300MWF 300MWF 300MWF 300MWF 300MWF	125M 125M	4P 4P 4P 4P	110MN 200MN 40MN 40MN 110MN	2 M A	ALG	M GB M OB M OB	BC 320 BC 322 BC 320 BC 322 BC 320	2N5086 2N5087 2N5086 2N5087 2N5086	0 0 0 0 0
BC352B BC352L BC354 BC355 BC355A	PS PS PS PS PS	T092 T092 T092 T092 T092	L14 L14 L14 L14 L14	30 V 30 V 30 V 30 V 30 V	20 v 20 v 25 v 25 v 25 v	5 V 5 V 4 V 4 V	100MA 100MA 200MA 200MA 200MA	135C 135C 135C	300MWF 300MWF 310MWF 310MWF 310MWF	125M 125M 200M 200M 200M	4P 4P 5P 5P	200MN 40MN 63MN 63MN	2MA 10 MA 1 CMA	ALN ALG ALG	M 0B M 0B M 0 B	BC 322 BC 322 BC 320 BC 320 BC 320	2N5087 2N5087 2N5086 2N5086 2N5086	0 0 0 0
8C3558 8C355C BC357 8C358 8C360	PS PS PS NS PS	T092 T092 T092 T092 T039	L14 L14 L14 L14 LC1	30V 30V 25V 25V 40V	25V 25V 25V 25V 40V	4V 4V 5V 5V 5V	200MA 200MA 100MA 100MA 500MA	135C 135C 135C	310MWF 310MWF 310MWF 310MWF 800MWF	200M 200M 200M 125M 150M	10P	100MN 150MN 100MN 100MN 40MN	10 MA 10 MA 10 MA 10 MA 50 MA	ALG ALG	MCP MOB	BC 320 BC 322 BC 320 BC 320 BFX29	2N5086 2N5087 2N5086 2N5086 2N2905A	0 0 0 0
BC360/6 BC360/10 BC360/16 BC361 BC361/6	PS PS PS PS	T039 T039 T039 T039 T039	L01 L01 L01 L01 L01	40V 40V 40V 60V 60V	40 v 40 v 40 v 60 v 60 v	5V 5V 5V 5V 5V	500MA 500MA 500MA 500MA 500MA	200C 200C	800MWF 800MWF 800MWF 800MWF 800MWF	150 M 150 M	12P 12P 12P	40MN 63MN 100MN 40MN 40MN	50 MA 50 MA 50 MA 50 MA 50 MA	ALG ALG	ITB ITB	BFX29 BFX29 BFX29	2N2905A 2N2905A 2N2905A 2N2905A 2N2905A	0 0
BC361/10 BC362 BC363 BC364 BC365	PS PS PS PS	X17 X17 X17	L01 L35 L35 L35 L35	60V 50V 60V 60V 50V	60V 45V 60V 80V 45V	5V 4V 4V 4V	500MA 1A 1A 1A 1A	135C 135C 135C	800MWF 1WF 1WF 1WF	50M 50M	12P 12P 12P 12P 12P	63MN 60MN 60MN 60MN 60MN	50 MA 25 CMA 25 CMA 25 CMA 25 CMA	AMG AMG AMH	MOB MCB MCB	BFX29 BD140 BD140 BD140 BD169	2N2905A 2N4920 2N4920 2N4920 2N4923	0 0 0 0
BC366 BC367 BC370 BC371 BC377	NS NS PS NS	X17 X17 T018 T039 T018	L35 L35 L01 L01 L01	60V 80V 20V 60V 50V	60v 80v 20v 45v 45v	4V 4 V 5 V 5 V 6 V	1 A 1 A 1 A 1 A		1WF 1WF 375MWF 850MWF 375MWF	50M 90M	12P 12P 12P 18P 12P	60MN 60MN 50MN 40MN 75MN	250MA 250MA 100MA 150MA 100MA	AMG AMG	MCB ATI ATI	BF Y51	2N4923 2N4923 2N731 2N2297 2N2222A	0 0 0
BC378 BC381 BC382 BC3828 BC382C	NS PS NS NS	T018 X10 X10 X10 X10 X10	L 20 L 20 L 20 L 20 L 20	30V 40V 50V 50V 50V	25V 25V 45V 45V 45V	6 V 5 V 6 V 6 V	1A 200MA 100MA 100MA 100MA	150C 150C 125C	375MWF 625MWF 300MWF 300MWF 300MWF	100M 100M 150M 150M 150M		75 MN 60MN 100MN 240MN 450MN	1 CCMA 2 M A 2 M A 2 M A 2 M A	AMG ALG ALG ALG ALN	811 811	BSX33 BC307 BC237 BC239 BC239	2N731 2N6015 2N5825 2N5827 2N5827	0 0 0 0
BC383 BC3838 BC383C BC384 BC385	NS NS	X10 X10 X10 X10 X10 X10	L20 L20 L2C L2C L2C	45V 45V 45V 45V 45V	30 V 30 V 30 V 30 V 45 V	6 V 6 V 6 V 6 V	100MA 100MA 100MA 100MA	1 2 5 C 1 2 5 C 1 5 O C	300MWF 300MWF 450MWF 300MWF 300MWF	150₩	5P 6P 10P 5P	100 MN 240 MN 450 MN 250 MN 100 MN	2MA 2MA	ALN ALN ALN	TIB	BC 239	2N5825 2N5827 2N5827 2N5827 2N5827 2N5825	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	Р ТОТ	F C MIN	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
EC384E BC384B BC384C BC386 BC387	NS NS NS NS	X10 X10 X10 X10 X10 T092	L2C L20 L2C L20 L14	45V 45V 45V 30V 35V	30V 30V 30V 20V 30V	6V 6V 6V 5V	100MA 100MA 100MA 100MA 600MA	125C 125C 125C 150C 135C	30/MWF 300MWF 300MWF 300MWF 310MWF	150 M 150 M 150 M 150 M 200 M	6P 6P 6P 5P	240 MN 240 MN 450 MN 100 MN 40/300	2MA 2MA 2MA 2MA 100MA	ALN ALN ALN ALG AMG	TIW	BC239 BC239 BC239 BC237 BC237	2N5827 2N5827 2N5827 2N5827 2N5825 2N4401	00000
BC388 BC389 BC390 BC391 BC393	PS NS NS NS PS	T092 T018 T018 T018 T018	L 14 L 01 L 01 L 01 L 01	35 V 45 V 20 V 20 V 180 V	30V 45V 20V 20V 180V	5V 6V 6V	600MA 200MA 200MA 200MA 100MA	135C 175C 175C 175C 200C	31 C P W F 30 O M W F 30 O M W F 30 O M W F 40 O M W F	200M 150M 150M 150M 60M	10P 7P 7P 7P 8P	40/300 40MN 40MN 40MN 50MN	10 CMA 1 CUA 1 CUA 1 CUA 2 MA	AMG ALA ALA ALA ALE	MOB ATI ATI ATI SGI	BC388 BC109 BC109 BC109	2N4403 2N930 2N930 2N930 2N930 2N4357	0 0 0 0
8C394 BC395 BC396 BC400 BC407	NS NS PS PS NS	T018 T0105 T0105 IC106 T0106	1	160V 80V 80V 90V 50V	160v 70v 70v 80v 45v	6V 5V 5V	100MA 500MA 500MA 50MA 100MA	200C 125C 125C 125C 125C	800MW 300MWF 300MWF 200MWF 25CMWF	40M 30M 20M 150M	9P 24P 10P 8P 5P	30MN 40MN 40MN 100MN 110MN	1 CMA 1 OMA 1 OMA 1 MA 2 MA	ALE AMH AMH ALH ALG	SGI SGI SGI SGI VAL	BF337 BSW66 BSV68 BC207	2N4927 2N4001 2N4929 2N3497 2N4966	0 0 0 0
BC407A BC407B BC408 BC408A BC408B	NS NS NS NS	T0106 T0106 T0106 T0106 T0106	I	50V 50V 30V 30V 30V	45V 45V 20V 20V 20V	6 V 6 V 5 V 5 V 5 V	100MA 100MA 100MA 100MA	125C 125C 125C 125C 125C	250MWF 250MWF 250MWF 250MWF 250MWF	150M 150M 150M 150M 150M	5P 5P 5P 5P 5P	110MN 200MN 110MN 110MN 200MN	2 M A 2 M A 2 M A 2 M A 2 M A	ALG ALG ALG ALG ALG	VAL VAL VAL VAL	BC207 BC207 BC207 BC207 BC207	2N4966 2N4966 2N4966 2N4966 2N4966	0 0 0 0
8C408C 8C409 8C409E 8C409C 8C413	NS NS NS NS	T0106 T0106 T0106 T0106 X10		30V 30V 3CV 30V 45V	20V 20V 20V 20V 30V	5 V 5 V 5 V 5 V	100MA 100MA 100MA 100MA 100MA	125C 125C 125C 125C 125C	250MWF 250MWF 250MWF 250MWF 300MWF	150M 150M 150M 150M 250M	5P 5P 5P 5P	420MN 200MN 200MN 420MN 180MN	2 M A 2 M A 2 M A 2 M A 2 M A	ALG ALN ALN ALN ALG	VAL VAL VAL SID	1	2N4966 2N4967 2N4967 2N4967 2N5827	0 0 0 0
BC413E BC413C BC414 BC414B BC414C	NS NS NS PS	X10 X10 X10 X10 X10	L20 L20 L20 L20 L20	45V 45V 50V 50V 50V	30 V 30 V 45 V 45 V 45 V	5 V 5 V 5 V 5 V	100MA 100MA 100MA 100MA	150C 150C 150C 150C 150C	300MWF 300MWF 300MWF 300MWF 300MWF	250M 250M 250M 250M 250M	5P 5P 5P 5P	180MN 380MN 180MN 180MN 380MN	2 MA 2 MA 2 MA 2 MA 2 MA	ALG ALG ALG ALG ALN	SIC TFK	BC239 BC239	2N5827 2N5827 2N5827 2N5827 2N5827 2N5827	0 0 0 0
BC415A BC415B BC415C BC416	PS PS PS PS	X10 X10 X10 X10 X10	L20 L20 L20 L20 L20	45V 45V 45V 45V 50V	35V 35V 35V 35V 45V	5V 5V 5V 5V	100MA 100MA 100MA 100MA 100MA	150C 150C 150C 150C 150C	30 CMWF 30 CMWF 30 CMWF 30 CMWF 30 CMWF	200 M 200 M 200 M 200 M 200 M	5 P 5 P 5 P 5 P	120MN 120MN 180MN 380MN 120MN	2MA 2MA 2MA 2MA 2MA	ALG ALG ALG ALG ALN		BC307 BC307 BC309	2N6015 2N6015 2N6015 2N6003 2N6003	00000
BC416A BC416B BC416C BC417 BC418	PS PS PS PS	X10 T0106		50V 50V 50V 50V 30V	45V 45V 45V 45V 25V	5V 5V 5V 5V	100MA 100MA 100MA 100MA	150C 150C 150C 125C 125C	300MWF 300MWF 300MWF 250MWF 250MWF	200M 200M 200M 75M 75M	5 P 5 P 5 P 9 P	120MN 180MN 380MN 72MN 75MN	2 M A 2 M A 2 M A 2 M A 2 M A	ALG ALN ALG ALG		BC307 BC307 BC309 BC204 BC204	2N6015 2N6015 2N6003 2N4249 2N4249	0 0 0 0
BC418A BC418E BC419 BC419A BC419E	Pς	TC106 T0106 T0106 T0106 T0106	L17 L17 L17	30V 30V 25V 25V 25V	25V 25V 20V 20V 20V	5V 5V 5V 5V 5V	100MA 100MA 100MA 100MA		25CMWF 250MWF 250MWF 250MWF 250MWF	75 N 75 M 75 M 75 M 75 N	9 F 9 P 9 P 9 P	125MN 240MN 125MN 125MN 240MN	2 M A	AL G	VAL VAL	BC204 BC206 BC204 BC204 BC206	2N4249 2N4250 2N4249 2N4249 2N4250	00000
BC42C BC429 BC429A BC430 BC430A	PS NS NS PS PS		169 169	150V 45V 60V 45V 60V	150V 45V 60V 45V 60V	1	100MA 1A 1A 1A	1750 1500 1500 1500 1500	40CMWF 6WC 6WC 6WC 6WC		10P	70MN 50/160 50/160 50/160 50/160	15 CMA 150 MA	AMH AMG	118 118 118	8D169 8D169 8D140 8D140	2N4 357 2N 4923 2N 4923 2N 4920 2N 4920	00000
BC431 BC432 BC440 BC441 BC460		X10 T039 T039	L20 L20 L04 L04 L04	50V 75V 50V	60v 60v 40v 60v 40v	5 V 5 V 5 V	500MA 500MA 2A 2A 2A		625MWF 625MWF 1 hF 1 hF 1 WF		20P 20P	63/240 63/240 40MN 40/250 40/250	500MA	AMG AMG	TFK ATI ATI	BFY51 BSS42 BSS18	2N2297 2N5320 2N5323	0 0 0 0
BC461 BC477 BC478 BC479 BC512	PS PS PS PS	T018 TC18 T018	L04 L01 L01 L01 L20	75V 9CV 4CV 4OV 5OV	60 V 80 V 40 V 40 V 45 V	5 V 6 V 6 V 5 V	2A 150MA 150MA 150MA 200MA	20 0C	1WF 360MWF 360MWF 360MWF 300MWF	50M 100M 100M 100M 200M		40/250 50MN 110MN 200MN 60MN	500MA 2MA 2MA 2MA 2MA	ALA ALA	SG I SG I	BC285 BCY71 BCY71 BC307	2N4929 2N1990R 2N3965 2N3965 2N6015	00000
BC512A BC512B BC513 BC513A BC513B	PS PS	XIO	L20 L20 L20 L20 L20	50V 50V 30V 30V 30V	45V 45V 25V 25V 25V	5V 5V 5V 5V 5V	200MA 200MA 200MA 200MA 200MA	150C 150C 150C	300MWF 300MWF 300MWF 300MWF 300MWF	200 M 200 M 200 M 200 M 200 M	10 P 10 P 10 P	1 CO MN 2 OOMN 80 MN 1 OO MN 2 OOMN	2MA 2MA 2MA 2MA 2MA	AL N AL G	T.I.W	BC 307 BC 309 BC 307 BC 307 BC 309	2N6015 2N6003 2N6015 2N6015 2N6003	0 0 0 0
BC513C BC514 BC514A BC514B BC514C	PS PS	X10 X10	L20 L20 L20 L20 L20	30V 30V 30V 30V 30V	25V 25V 20V 20V	5V 5V 5V 5V 5V	200MA 200MA 200MA 200MA 200MA		300MWF 300MWF 300MWF 300MWF 300MWF	200 M 200 M 200 M 200 M 200 M	10 P 10 P 10 P	350MN 140MN 100MN 200MN 350MN	2MA 2MA 2MA 2MA 2MA	AL G	TIW TIW		2N6 00 3 2N6 01 5 2N6 01 5 2N6 00 3 2N6 00 3	0 0 0 0
BC547 BC548 BC549 BC557 BC558	NS PS	X10 X10	L2C L20 L2C L2C	50V 30V 30V 50V 30V	45V 20V 20V 45V 25V		200MA 200MA 200MA 200MA 200MA	150C 150C	30 CM WF 30 CM WF 30 OM WF 30 CM WF	150 M 150 M 150 M 75 M 75 M		110 MN 110 MN 200 MN 75 MN 75 MN	2MA		MUB MUB	BC 338 BC 338	2N5818 2N5818 2N5818 2N6015 2N6015	0 0 0 0
BC559 BC582A BC582E BC583A BC583B	NS	1	L20 L20 L20 L20 L20	30V 50V 50V 30V 30V	25V 45V 45V 20V 20V	6 V 6 V 5 V	200MA 200MA 200MA 200MA 200MA	150C 150C 150C	300MWF 300MWF 300MWF 300MWF 300MWF	150 №	5P 5P 5P	125MN 100MN 240MN 100MN 240MN	2 MA 2 MA 2 MA	ALG ALG	TIW		2N6003 2N5825 2N5827 2N5825 2N5825	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
BC583C BC584E BC584C BCW10 BCW11	NS NS NS NS PS	X10 X10 X10 X11 X11	L20 L20 L20 L23 L23	30V 30V 30V 25V 25V	20V 20V 20V 25V 25V	5 V 5 V 5 V 5 V	200MA 200MA 200MA 500MA 500MA	150C 150C 150C 150C 125C	300MWF 300MWF 300MWF 300MWF	150M 150M 150M 150M 150M	5P 5P 5P 12P 6P	450MN 250MN 450MN 50/300 50/300	2 M A 2 M A 2 M A 1 O M A 1 O M A	ALN ALN ALN AMG AMG	TIW TIW FEB FEB	BC 239 BC 239 BC 309 BC 387 BC 387	2N5827 2N5827 2N5827 2N5827 2N4401 2N4401	0 0 0 0
BCW12 BCW13 BCW14 BCW15 BCW16	NS PS NS PS	X11 X11 X11 X11 X11	L23 L23 L23 L23 L23	35V 35V 35V 35V 45V	35V 35V 35V 35V 45V	5V 5V 5V 5 V	500MA 500MA 500MA 500MA 500MA	125C 125C 125C 125C 125C	300MWF 300MWF 300MWF 300MWF 300MWF	150M 150M 150M 150M 150M	12P 6P 12P 6P 12P	50/300 50/300 100MN 100MN 50/300	10 MA 10 MA 10 MA 10 MA	AMG AMG AMG AMG AMG	FEB FEB FEB FEB	BC387 BC387 BC38 BC387 BC387	2N4401 2N4401 2N4401 2N4401 2N4401	0 0 0 0
BCW17 BCW18 BCW19 BCW20 BCW22	PS NS PS NS	X11 X11 X11 X11 X11	L23 L23 L23 L23 L23	45V 70V 70V 30V 45V	45V 70V 70V 30V 45V	5V 5V 5 V 5 V	500MA 500MA 500MA 500MA 500MA	125C 125C 125C 125C 125C	300MWF 300MWF 300MWF 300MWF 300MWF	150M 150M 150M 30M 30M	6P 12P 6P 8P	50/300 50/300 50/300 100MN 40/120	10MA 10MA 10MA 10UA	AMG AMH AMH ALN ALN	FEB FEB FEB FEB	BC387 BC387 BSX21 BC349C BC349C	2N4401 2N4401 2N1990R 2N3904 2N3904	0 0 0
BCW21 BCW23 BCW24 BCW25/26 BCW29	PS PS NS NS PS	X11 X11 T018 X12	L23 L23 L01	30V 45V 45V 30V	30 V 45 V 45 V 20 V	5V 5 V 5 V	500MA 500MA 30MA	125C 125C 175C	300MWF 30CMWF 300MWF	30M 30M 30M 75N	8P 8P 8P	100MN 40/120 150MN	1 COUA 1 COUA 1 MA	ALN ALA DUA ALG	FEB ITB ITB TIB MUB	BC309 BC309 BC109 BFS37	2N6 00 3 2N6 00 3 2N9 30 NIL	00000
BCW29R BCW30 BCW30R BCW31 BCW31R	PS PS PS NS NS	X12 X12 X12 X12 X12 X12	L27 L29 L27 L29 L27	30V 30V 30V 30V	20 v 20 v 20 v 20 v 20 v	5 V 5 V 5 V 5 V	200MA 200MA 200MA 50MA 50MA	125C 125C 125C 125C 125C	150MWF 150MWF 150MWF 150MWF 150MWF	75 M 75 M 75 M 150 M 150 M	7 P 7 P 7 P 4 P 4 P	120MN 215MN 215MN 110MN 110MN	2MA 2MA 2MA 2MA 2MA	ALG ALG ALG ALG ALG	MUE MUB MUB MUE MUB	BFS37 BFS37 BFS37 BFS36 BFS36	NIL NIL NIL NIL	0 0 0 0
BCW32 BCW32R BCW33 BCW33R BCW34	NS NS NS NS	X12 X12 X12 X12 X12 T018	L29 L27 L29 L27 L01	30 V 30 V 30 V 30 V 60 V	20V 20V 20V 20V 45V	5 V 5 V 5 V 5 V	50MA 50MA 50MA 50MA 600MA	1250 1250 1250 1250 1250 1750	150MWF 150MWF 150MWF 150MWF 360MWF	150M 150M 150M 150M 150M	4P 4P 4P 4P 6P	200MN 200MN 420MN 420MN 100MN	2 MA 2 MA 2 MA 2 MA 1 C MA	ALG ALG ALN ALN AMG	MUB MUB MUB MUB TIB	BFS36 BFS36 BFS36 BFS36 BFX95	NIL NIL NIL NIL 2N2222A	0 0 0 0
8CW35 8CW36 8CW37 8CW44 8CW45	PS NS PS NS	T018 T092 T092 T05 T05	LC1 L21 L21 L04 L04	60 V 60 V 60 V 70 V 70 V	45V 45V 45V 55V	5 V 5 V 5 V 5 V	600MA 600MA 600MA 1A	175C 175C 175C 200C 200C	360MWF 300MWF 300MWF 800MWF 800MWF	150M 150M 150M 40M 40M	6P 6P 6P 18P	100MN 100MN 100MN 40MN 40MN	1 0 M A 10 M A 10 M A 1 C M A 1 O M A	AMG AMG AMG AMG	T 18 T 18 T 18 SG 1 SG 1	BSW24 BFX95 BSW24 BFX85 BFX85	2N2907A 2N2222A 2N2907A 2N1893 2N1893	0 0 0 0
8CW50 8CW69 8CW69R 8CW70 8CW70R	AS PS PS PS	T018 X12 X12 X12 X12 X12	LC1 L29 L27 L29 L29	120V 50V 50V 50V 50V	120V 45V 45V 45V 45V	5V 5V 5V 5V	100MA 200MA 200MA 200MA 200MA	2000 1250 1250 1250 1250	500MWF 150MWF 150MWF 150MWF 150MWF	50M 75N 75N 75M 75M	5P 7P 7P 7P 7P	18MN 120MN 120MN 215MN 215MN	3MA 2MA 2MA 2MA 2MA	ALS ALG ALG ALG ALG	SGI MUB MUB MUB	BC 285 BFS 37 BFS 37 BFS 37 BFS 37	2N199OR NIL NIL NIL NIL	0 0 0 0
BCW71 BCW71R BCW72 BCW72R BCW73	NS	X12 X12 X12 X12 X12 T018	L29 L27 L29 L27 LC1	50V 50V 50V 50V 32V	45V 45V 45V 45V 32V	5 V 5 V 5 V 5 V	50MA 50MA 50MA 50MA 800MA	125C	150 MWF 150 MWF 150 MWF 150 MWF 450 MWF	150M 150M 150M 150M 100M		110MN 110MN 200MN 200MN 100MN	2MA 2MA 2MA 2MA 100MA	ALG	MUB MUB	BFS36 BFS36 BFS36 BFS36 BFX95	NIL NIL NIL NIL 2N2222A	0 0 0
BCW73/16 BCW73/25 BCW73/40 BCW74 BCW74/16	NS NS NS NS	T018 T018 T018 T018	L01 L01 L01 L01 L01	32 V 32 V 32 V 45 V	32V 32V 32V 45V 45V	5V 5V 5V 5V	800MA 800MA 800MA 800MA 800MA	200C 200C 200C 200C 200C	450MWF 450MWF 450MWF 450MWF 450MWF	100M 100M 100M M001	12P 12P 12P	100MN 160MN 250MN 100MN	1 CO MA 1 CO MA 1 CO MA 1 CO MA 1 O O MA	_	SID	BFX95 BFX95 BFX95 BFX95 BFX95	2N2222A 2N2222A 2N2222A 2N2222A 2N2222A	0
8CW74/25 8CW74/4C 8CW75 8CW75/10 8CW75/16	NS NS PS PS PS	T018 T018 T018 T018	L01 L01 L01 L01	45V 45V 32V 32V 32V	45V 45V 32V 32V 32V	5 V 5 V 5 V 5 V	800MA 800MA 800MA 800MA 800MA	200C 200C 200C 200C 200C	450MWF 450MWF 450MWF 450MWF 450MWF	100M 100M 100M 100M	12P 18P 18P	160MN 250MN 63MN 63MN 100MN	1 COMA 1 COMA 1 COMA 1 OOMA 1 OOMA	AMG AMG AMG AMG AMG	SID	BFX95	2N2222A 2N2222A 2N2907A 2N2907A 2N2907A	0 0
BCW75/25 BCW76 BCW76/10 BCW76/16 BCW76/25	PS PS PS PS	T018 T018 T018 T018	L01 L01 L01 L01	32V 45V 45V 45V 45V	32V 45V 45V 45V 45V	5 V 5 V 5 V 5 V 5 V	800MA 800MA 8000MA 8000MA	200C 200C 200C 200C 200C	450MWF 450MWF 450MWF 450MWF 450MWF	100M 100M 100M 100M 100M	18P 18P 18P	160MN 63MN 63MN 100MN 160MN	1 COMA 1 COMA 100 MA 100 MA 1 COMA	AMG AMG AMG AMG AMG	SID	8 SW24 8 SW24 8 SW24 8 SW24 8 SW24	2N2907A 2N2907A 2N2907A 2N2907A 2N2907A	0 0
BCW77/16 BCW77/16 BCW77/25 BCW78 BCW78/16	NS NS NS NS	T039 T039 T039 T039 T039	L04 L04 L04 L04	3 2 V 3 2 V 3 2 V 4 5 V 4 5 V	32V 32V 32V 45V 45V	5 V 5 V 5 V 5 V 5 V	AM008 AM008 AM008	200C 200C 200C 200C 200C	800MWF 800MWF 800MWF 800MWF 800MWF	100M 100M 100M 100M 100M	12P 12P 12P	100 MN 160MN 250MN 100 MN 100 MN	100MA 100MA 100MA 100MA 100MA	1	SID	BFY51 BFY51 BFY51 BFY51 BFY52	2N2297 2N2297 2N2297 2N2297 2N2297	0 0 0 0
BCW78/25 BCW78/40 BCW79 BCW79/10 BCW79/16	NS NS PS PS PS	T039 T039 T039 T039 T039	LC4 LO4 LO4 LC4 LO4	45V 45V 32V 32V 32V	45V 45V 32V 32V 32V	5 V 5 V 5 V 5 V	AM008 AM008	200C 200C 200C 200C 200C	800MWF 800MWF 800MWF 80CMWF 80CMWF	100M 100M 100M 100M	12P 18P 18P	160MN 250MN 63MN 63MN 100MN	100 MA 100 MA 100 MA 100 MA 100 MA	AMG AMG AMG AMG AMG	SID	BFY50 BFY51 8FS95 BFS95 BFS95	2N2297 2N2297 2N4036 2N4036 2N4036	0 0 0
BCW79/25 BCW80 BCW80/10 BCW8C/16 BCW80/25	PS PS PS PS	1039 1039 1039 1039 1039	L04 L04 L04 L04 L04	32V 45V 45V 45V 45V	32V 45V 45V 45V 45V	5V 5V 5V 5V	800MA 800MA 800MA 800MA 800MA	200C 200C 200C 200C 200C	800MWF 800MWF 800MWF 800MWF 800MWF	100M 100M 100M 100M 100M	18P 18P 18P	160MN 63MN 63MN 100MN 160MN	100 MA 100 MA 100 MA 100 MA	AMG AMG	SID	BFS95 BFS95 BFS95 BFS95 BFS95	2N4036 2N4036 2N4036 2N4036 2N4036	0 0 0 0
8CW85 BCW86 BCW90A BCW90B BCW90C	NS NS	X10 X10 X10 X10 X10	L 20 L 20 L 20 L 20 L 20	90V 7CV 50V 50V 50V	60V 60V 40V 40V	6V 6V 5V 5V	200MA 200MA 800MA 800MA 800MA	150C 150C 150C	300MWF 30CMWF 610MWF 610MWF 610MWF	60M		150MN 150MN 100MN 150MN 200MN	2MA 150MA 150MA	AMG	TIW SEU SEU	BC307 BC307 BC338 BC338 BC338	2N6015 2N6015 2N5818 2N5818 2N5818	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	Р ТОТ		DB MAX	H FE	H FE BIAS	USE	MFB	EURO EQVT.	USA EQVT.	ISS
BCW90KA BCW90KB BCW90KC BCW91A BCW91B	NS NS NS	X10H X10F X10	L20 L20 L20 L20	50V 50V 50V 70V 70V	40 V 40 V 40 V 60 V	5 V 5 V 5 V 5 V	AMOO8 AMOO8 AMOO8 AMOO8	150C 150C 150C 150C 150C	800MWH 800MWH 800MWH 610MWF	60M 60M 60M	15P 15P 15P	100MN 150MN 200MN 100MN 150MN	150MA 150MA 150MA 150MA 150MA	AMG AMG	SEU SEU SEU	BFY50 BFY50 BC338	2N2297 2N2297 2N2297 2N2297 2N5818 2N5818	0 0 0
BCW91KA BCW91KB BCW92A BCW92B BCW92KA	NS NS PS PS	X10H X10H X10 X10 X10H	L20 L20 L20 L20 L20	70V 70V 50V 50V 50V	60 V 60 V 40 V 40 V	5 V 5 V 5 V 5 V	AMOO8 AMOO8 AMOO8 AMOO8 AMOO8	150C 150C 150C	800MWH 800MWH 610MWF 610MWF	60 M 135 M 135 M	15P 20P 20P	100MN 150MN 100MN 150MN 100MN	150MA 150MA 150MA 150MA 150MA	AMG AMG	SEU SEU SEU	BFY50 BC328 BC328	2N2297 2N2297 2N5819 2N5819 2N4036	0 0 0 0
BCW92KB BCW93A BCW93B BCW93KA BCW93KB	PS PS PS	X10H X10 X10 X10H X10H	L20 L20 L20 L20 L20	50V 70V 70V 70V 70V	40V 60V 60V 60V	5V 5V 5V 5V	AMOOB AMOOB AMOOB AMOOB AMOOB	150C 150C 150C	610MWH 610MWF 610MWF 800MWH	135 M 135 M 135 M	20 P 20 P 20 P 20 P 20 P	150MN 100MN 150MN 100MN 200MN	150 MA 150 MA 150 MA 150 MA	AMG AMG	SEU SEU SEU	BC327 BFS95	2N4036 2N5819 2N5819 2N4036 2N4036	0 0 0
BCW94A BCW94B BCW94C BCW94KA BCW94KB	NS NS NS NS	X10 X10 X10H	L20 L20 L20 L20 L20	50V 50V 50V 50V 50V	40V 40V 40V 40V	5V 5V 5 V 5 V	400MA 400MA 400MA 400MA 400MA	150C 150C 150C	54 CM WE 54 CM WE 54 CM WE 700M WE 700M WE	40M 40M 40M	8 P 8 P 8 P 8 P 8 P	100MN 150MN 200MN 100MN 150MN	50MA 50MA 50MA 50MA 50MA	AMG AMG	SEU SEU SEU	BC337 BFY50	2N5818 2N5818 2N5818 2N2297 2N2297	0 0 0
BCW95A BCW95B BCW95B BCW95KA BCW95KB	NS NS NS NS	X10 X10H	120 120 120 120 120	50V 70V 70V 70V 70V	40V 60V 60V 60V	5V 5V 5V 5V	400MA 400MA 400MA 400MA 400MA	150C 150C 150C	700MWF 540MWF 540MWF 700MWF 70CMWF	40 M 140 M 40 M	8 P 8 P 8 P 8 P	200 MN 100 MN 150 MN 100 MN 150 MN	150MA 50MA 50MA 50MA 50MA	AMG AMG	SEU SEU SEU	BC 337 BC338 BFY50	2N2297 2N5818 2N5818 2N2297 2N2297	0 0 0
BC N 96A BC N 96B BC W 96KA BC W 96KB BC N 97A	PS PS PS PS	X10 X10H X1CH	L20 L20 L20 L20 L20	50V 50V 50V 50V 70V	40V 40V 40V 60V	5 V 5 V 5 V 5 V	400MA 400MA 400MA 400MA 400MA	150C 150C 150C	54 CMWF 540MWF 700MWH 700MWH 540MWF	135M 135M 135M	10P 10P 10P 10P	100MN 150MN 100MN 150MN 100MN	5 CM A 5 CM A 5 CM A 5 CM A	A MG	SEU SEU SEU	BC 32 7 BFS 95 BFS 95	2N5819 2N5819 2N4036 2N4036 2N5819	0 0 0
BCW97B BCW97KA BCW97KB BCX21 BCX4C	PS PS PS NS	X10H X10H T05	L20 L20 L20 L04 L04	70 V 70 V 70 V 60 V 100 V	60V 60V 60V 45V 80V		400MA 400MA 400MA 1 A 2A	150C 150C 150C 150C 200C	540MWF 700MWH 700MWH 3500MWC 1 WF	135M 135M	1 OP	150MN 100MN 150MN 2000MN 40MN	50MA 50MA 50MA 150MA 500MA	AMC AMC	SEU SEU MUB	8FS95 8FS95	2N5819 2N4036 2N4036 2N1893	0 0 0
BCX60 BCY10 BCY11 BCY12 BCY13	PS PS PS NS	X02 X02 X02	LC4 LO3 LC3 LO3 LO4	100V 32V 60V 32V 60V	80V 32V 60V 32V 6/V	12V 12V 12V	2 A 250MA 250MA 250MA 200MA	200 C 150 C 150 C 150 C 165 C	1WF 415MWF 415MWF 415MWF 450MWF	1 M 1 M 1 M	25P 50P 50P 50P	40MN 10MN 10MN 12MN 15MN	5 COMA 150MA 150M 150MA 100MA	ALA AALA ALA	MUB MUB MUB	BCY32 BCY32 BCY32	2N4037 2N1475 2N1475 2N1475 2N1893	0 0 0
BCY14 BCY15 BCY16 BCY17 BCY18	NS NS PS PS	T05	LC4 LC4 LC4 LC4 LC4	100V 6CV 10CV 30V 30V		10V 10V 30V	200MA 200MA 200MA 50MA 50MA	165C 165C 165C	450MWF 450MWF 450MWF 200MWF 200MWF	300K 300K 1M	45 P 45 P	15MN 15MN 15MN 20MN 40MN	100MA 100MA 100MA 1MA	AMH AMH ALG	SID SID SID	BSW66 BSW66 BFS95	2N1893 2N1893 2N1893 2N4036 2N4036	
BCY19 BCY20 BCY21 BCY22 BCY23	PS PS PS PS	T05 T05 T05	L04 L04 L04 L04 L04	50V 10CV 50V 75V 30V	50V 100V 50V 75V 10V	99V 30V 40V	50MA 50MA 50MA 50MA 50MA	165C 125C 125C	200MWF 200MWF 350MWF 350MWF	400K 400K 400K	45P 45P 45P		1 MA 1 MA 1 C M A 1 C M A	ALH ALG ALH	SID TAG TAG	8CY32 8SV68	2N1475 2N1475 2N1475 2N1475 2N3497 2N1475	0 0 0 0
BCY24 BCY25 BCY26 BCY27 BCY28	PS PS PS PS	T05	L04 L04 L04 L04 L04	30V 30V 30V 30V 30V	10V 10V 30V 25V 25V	30 V 30 V 30 V	50MA 50MA 50MA 50MA 50MA		350MWF 350MWF 350MWF 350MWF 350MWF	2 M 500K 800K	45P 45P 45P	19MN 50MN 19MN 35TP 55TP	10MA 10MA 10MA 10MA	ALG ALG ALG	TAG TAG TAG	BC Y3 2 BC Y3 2 BC Y3 2	2N1475 2N1475 2N1475 2N1475 2N1475 2N1475	0 0 0
BCY29 BCY30 BCY31 BCY32 BCY33	PS PS PS PS	T 0 5 T 0 5 T 0 5	L04 L04 L04 L04 L04	60V 64V 64V 64V 32V	60V 50V 50V 64V 25V	45 V 45 V 32 V	50MA 100MA 100MA 100MA 100MA	165C 150C 150C 150C 150C	350MWF 250MWF 250MWF 250MWF 250MWF	250K 250K 250K	60P 60P 60P	25TP 10MN 15MN 20MN 10MN	1 CMA 2 OMA 2 OMA 2 OMA 2 OMA	ALA ALA	MUB MUB MUB	BCY32 BCY32 BCY32	2N1475 2N1475 2N1475 2N1475 2N1475	0 0 0 0
BCY34 BCY38 BCY39 BCY40 BCY42	PS PS PS PS NS	T039	L04 L04 L04 L04 L01	32V 32V 64V 32V 40V	25V 24V 60V 24V 25V	12V 12V	100MA 250MA 250MA 250MA 200MA	150C 150C	250 MWF 410 MWF 410 MWF 410 MWF 300 MWF	450K1 450K1 850K1	50P	15MN 10MN 10MN 15MN 45MN	2 CMA 15 OMA 15 OMA 15 OMA 10 MA	ALS ALS	MUB MUB	BCY32 BCY32 BCY32	2N1475 2N1475 2N1475 2N1475 2N1475 2N929	0 0 0 0
8CY43 8CY49 BCY50 8CY51 8CY54	NS PS NS NS PS	T05 T018 T018	L01 L04 L01 L01 L04	40 V 15 V 10 V 30 V 50 V	25V 15V 5V 20V 50V	15V 3V 5V	200MA 20MA 200MA 100MA 250MA	150C 125C 175C	300MWF 250MWF 20CMWF 300MWF 41CMWF	450K	9 P	75MN 25MN 60MN 60MN 12MN	1 CM A 1 M A 1 0 O U A 1 0 O U A 1 5 CM A	ALS ALG ALG	MUB ITB ITB		2N930 2N1475 A157 A157 2N1475	0 0 0 0
BCY55 BCY56 BCY57 BCY58 BCY58A	NS NS NS NS	1018	L01 L01 L01 L01	45 V 25 V 32 V 32 V	45V 20V 32V 32V	5V 5V 7V 7V	100MA 100MA 200MA 100MA	175C 200C	300MWF 300MWF 1WF 390MWF	150 M	5P 5P 6P 7P	100MN 200 MN 120MN 125MN	2MA 2MA 2MA 2MA	ALA AMG	VAL VAL VAL	BC107 BC109 BFX95 BC107	2N929 2N930 2N22221 A157	0 0 0
BCY58B BCY58C BCY58D BCY58/7 BCY58/8	1	T018 T018 T018	LC1 LC1 LC1 LC1	32V 32V 32V 32V 32V	32V 32V 32V 32V 32V	7V 7V 7V 7V 7V	100MA 100MA 100MA 200MA 200MA	175C 175C 200C		120M	7P 7P 7P 6P 6P	175MN 250MN 350MN 120MN 180MN		AL N AL N AMG	ITB ITB VAL	BC107 BC109 BC109 BFX95 BFX95	A157 2N930 2N930 2N22224 2N22224	

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	I C MAX	T J MAX	P TOT		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
BCY58/9 BCY58/10 BCY59 BCY59A BCY59B	NS NS NS NS	T018 T018 T018 T018	LC1 LC1 LC1 LC1 LC1	32V 32V 45V 45V	32V 32V 45V 45V 45V	7 V 7 V 7 V 7 V	200MA 200MA 200MA 100MA	200C 200C 200C 175C 175C	1WF 1WF 1WF 390MWF 390MWF	125 M 125 M 125 M 120 M 120 M	6 P 6 P 6 P 7 P 7 P	250MN 380MN 120MN 125MN 175MN	2 M A 2 M A 2 M A 2 M A	AMG AMG AMG ALG ALG	VAL VAL VAL ITB	BFX95 BFX95 BFX95 BC107 BC107	2N2222A 2N2222A 2N2222A A157 A157	0
8CY59C 8CY59D 8CY59/7 8CY59/8 8CY59/9	NS NS NS NS	TC18 TO18 TO18 TO18 TO18	LC1 LC1 LC1 LC1 LC1	45V 45V 45V 45V	45 V 45 V 45 V 45 V 45 V	7 V 7 V 7 V 7 V 7 V	100MA 100MA 200MA 200MA 200MA	175C 175C 200C 200C 200C	390MWF 390MWF 1WF 1WF	120M 120M 125M 125M 125M	7P 7P 6P 6P 6P	250 MN 350MN 120MN 180 MN 250 MN	2 MA 2 MA 2 MA 2 MA 2 MA	ALN ALN AMG AMG AMG	ITE ITB VAL VAL VAL	BC109 BC109 BFX95 BFX95 BFX95	2N930 2N930 2N2222A 2N2222A 2N2222A	0
8CY59/10 8CY65E 8CY65E7 8CY65E8 8CY65E9	NS NS NS NS	TC18 TO18 TO18 TO18 TO18	LC1 LC1 LC1 LC1	45V 60V 60V 60V	45V 60V 60V 60V 60V	7 V 7 V 7 V 7 V 7 V	200MA 100MA 100MA 100MA 100MA	200C 200C 200C 200C 200C	1 WF 1 WF 1 WF 1 WF	125M 125M 125M 125M 125M	6P 6P 6P 6P	380 MN 120MN 120MN 180 MN 250 MN	2 MA 2 MA 2 MA 2 MA 2 MA	AMG ALS ALS ALS	SID	BFX95 BFX95 BFX95 BFX95 BFX95	2N 22 2 2 A 2N 22 2 2 A 2N 2 2 2 2 A 2N 2 2 2 2 A 2N 2 2 2 2 A	0
BCY66 BCY67 BCY69 BCY70 BCY71	NS PS NS PS PS	T018 T018 T018 T018 T018	LC1 LC1 LC1 LC1 LC1	45V 45V 20V 50V 45V	45V 45V 20V 40V 45V	7 v 5 v 5 v	50MA 50MA 100MA 200MA 200MA	200C 200C 175C 200C 200C	1WF 1WF 300MWF 350MWF 350MWF	125M 180M 150M 250M 300M	6P 7P 7P 6P 6P	180MN 180MN 600MN 50MN 100MN	2MA 2MA 2MA 10MA 10MA	ALS ALA ALA ALG	SID SID TIB MUB MUB	BC 109 BC Y71 BC109 BCY70 BCY71	2N930 2N3965 2N930 2N3965 2N3965	0 0 0 0
BCY71A BCY72 BCY77 BCY77/7 BCY77/8	PS PS PS PS	TC18 TO18 TC18 TC18	LC1 LC1 LC1 LC1	45 V 25 V 60 V 60 V	45V 25V 60V 60V	5V 5V 5V 5V	200MA 200MA 100MA 100MA	200C 200C 200C 200C 200C	350MWF 350MWF 1WH 1WH 1WH	330M 200M 180M 180M	6P 6P 7P 7P 7P	100MN 50MN 120MN 120MN 180MN	10MA 10MA 2MA 2MA 2MA	ALN ALG ALG ALG ALG	SID	BCY71 BCY70 BC107 BC107 BC107	2N3965 2N3965 2N929 2N929 2N930	0 0 0
BCY77/9 BCY78 BCY78A BCY78B BCY78C	PS PS PS PS	T018 T018 T018 T018	L01 L01 L01 L01 L01	60V 32V 32V 32V 32V	60V 32V 32V 32V 32V	5 V 5 V 5 V 5 V	100MA 200MA 200MA 200MA 200MA	200C 200C 200C 200C 200C	1WH 1WH 350MWF 350MWF 350MWF	180M 180M 180M 180M	7 P 7 P 7 P 7 P 7 P	250MN 120MN 180TP 260TP 360TP	2MA 2MA 10MA 10MA 10MA	ALG ALG ALG ALN	SID	BC109 BC177 BC177 BC179 BC179	2N930 2N3965 2N3965 2N3965 2N3965	0 0 0
BCY78D BCY78/7 BCY78/8 BCY78/9 BCY78/10	PS PS PS	T018 T018 T018 T018	L01 L01 L01 L01	32V 32V 32V 32V 32V	32V 32V 32V 32V 32V	5 V 5 V 5 V 5 V	200MA 200MA 200MA 200MA 200MA	200C 200C 200C 200C 200C	350MWF 1WH 1WH 1WH 1WH	180M 180M 180M 180M	7 P 7 P 7 P 7 P 7 P	500TP 120MN 180MN 250MN 380MN	1 0MA 2MA 2MA 2MA 2MA	ALN ALG ALG ALG ALG	\$ 10 \$ 10	BC 179	2N3965 2N3965 2N3965 2N3965 2N3965	0 0 0
BCY79 BCY79A BCY79B BCY79C BCY79/7	P S P S P S	T018 T018 T018 T018	L G 1 L C 1 L C 1 L C 1 L C 1	45V 45V 45V 45V	45 V 45 V 45 V 45 V 45 V	5 V 5 V 5 V 5 V	200MA 200MA 200MA 200MA 200MA	200C 200C 200C 200C 200C	1WH 350MWF 350MWF 350MWF 1WH	180M 180M 180M 180M 180M	7 P 7 P 7 P 7 P 7 P	120MN 180TP 260TP 360TP 120MN	2MA 1CMA 10MA 10MA 2MA	ALG ALG ALG ALN ALG	118 118 118	BC177 BC179 BC179	2N 396 5 2N 3 96 5 2N 3 96 5 2N 3 96 5 2N 3 96 5	0 0 0 0
BCY79/8 BCY79/9 BCY87 BCY88 BCY89	PS PS NS NS	T018	L01 L01	45V 45V	45V 45V	5 V 5 V	200MA 200MA	2000 2000	IWH IWH	180M 180M	7 P 7 P	180 MN 250MN	2 M A 2 M A	ALG DUA DUA	S ID MUB	BC 179	2N3965 2N3965	0 0 0 0
BCZ1C BCZ11 BCZ12 BC1C6 BD106A	PS PS PS NS	XC2 XC2 XC3	LC3 LC3 LC3 LC5 LC5	25V 25V 60V 36V 36V	25V 25V 60V 36V 36V	20V 30V 5V	50 M A		250MWF 250MWF 250MWF 12WC 12WC	400K 400K 400K 50M 50M	5 C P	15MN 25MN 10MN 50/300 50/150	1 M A 1 M A 1 M A 500 M A 500 M A	ALA ALA RHG	MUB MUB 1TB	BC Y32 BCY32 BC107	2N1475 2N1475 2N1475	0 0 0 0
BC106B B0107 B0107A BC107B B0124	NS NS NS NS	XO3 XO3 XC3	L05 L05 L05 L05	36 V 64 V 64 V 70 V	36V 64V 64V 64V 45V	5V 5V	2500MA 2500MA 2500MA 2500MA 2500MA	175C 175C	12WC 12WC 12WC 12WC 15WC	50M 50M 50M 50M 60M		100MN 50/300 50/150 10CMN 35MN	500MA 500MA 500MA 50CMA 50CMA	R HG R HG R H G	118 118	BD107 BC107		0000
BC127 8C128 8C129 8D13C 8C131	NS NS NS NS	T0126 T0126 T03	£31 £31 £05	35CV 400V	250V 300V 350V 60V 45V	5 V 5 V 5 V 7 V 6 V		150C	20WC 20WC 20WC 100WC 11WC			30MN 30MN 30MN 20/70 40MN	50MA 50MA 50MA 4A 500MA	ALE ALE AHG	TFK TFK SEU	BD232 BD232 BDY20	2N3055 2N4923	0 0 0 0
BD132 BD133 BD135 BD136 BD137	PS NS NS PS	T0126 T0126 T0126	L31 L31 L31	45V 9CV 45V 45V 60V	45V 60V 45V 45V 60V	4V 6V 5V 5V	3A 3A 1A 1A	125C 150C 150C	11WC 11WC 12WC 12WC 12WC	60M 50M 50M		40MN 40MN 40/250 40/250 40/160	500MA 500MA 150MA 150MA	AHH AMG AMG	MUB MUB	BD237 BD169 BD140	2N4920 2N4923 2N4923 2N4920 2N4923	0 0 0 0
80138 80139 80140 80142 80150	PS PS NS NS	TC126 TO126 TO3	L31		60V 80V 80V 40V 220V	5 V 5 V 5 V 5 V	1 A 1 A 1 A 1 5 A 5 O O M A	150C 150C 200C	1 2 WC 1 2 WC 1 2 WC 1 1 7 WC 1 WF	50M 50M 700K		40/180 40/160 40/250 13/160 20MN	150MA 150MA 150MA 4A 80MA	AMH AMH AHG	MUB MUB SEU	BD169 BD140 BDY20	2N4920 2N4923 2N4920 2N3055 2N3440	0 0 0 0
BD151 BD152 BC153 BC154 BD155	PS NS NS NS	T0126 T0126	131 131 131	35V 50V 70V 35V 50V	30 V 45 V 60 V 30 V 45 V	5 V 5 V 5 V 5 V	3A 3A 3A 1A	150C 150C 150C	25WC 25WC 25WC 25WC 25WC			30/150 30/150 30/150 30/150 30/150	1 A 1 A 1 A 1 A	AHG AHH	MOB MOB MCB	BD589 BD589 BD589	2N4920 2N6123 2N6123 2N6123 2N6123	0 0 0 0
8D156 8D157 8D158 BC159 8D160	PS NS NS NS	T0126 T0126	L31 L31 L31	275V	300V	5 V		150C	250 20 W C 20 W C 20 W C 1 0 W C			30/150 30/250 30/250 30/250 5MN		ALE ALE	MCB MOB	BD232 BD232 BD232	2N4920	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE	VEB MAX	I C MAX	T J MAX	P TOT	F C T OB MIN MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
BD165 BD166 BD167 BD168 BD169	NS PS NS PS	T0126 T0126 T0126 T0126 T0126	L31 L31 L31	45V 45V 60V 60V 80V	45V 45V 60V 60V 80V	5 V 5 V	1500MA 1500MA 1500MA 1500MA 1500MA	150C 150C 150C 150C 150C	20 W C 20 W C 20 W C 20 W C 20 W C	3 M 3 M 3 M 3 M	40 MN 40 MN 40 MN 40 MN 40 MN	150MA 150MA 150MA 150MA 150MA	AMG AMG AMG AMH AMH	TFK TFK TFK TFK	BD169 BD140 BD169 BD140 BD169	2N4923 2N4920 2N4923 2N4920 2N4923	0 0 0 0
80170 80171 80172 80173 80175	PS NS NS NS	T0126 T0126 T0126 T0126 T0126	L31 L31 L31	8CV 100V 1COV 170V 45V	80V 90V 90V 160V 45V	5V 5V 5V 5V	1500MA 500MA 500MA 500MA 3A	150C 150C 150C 150C 150C	20 hC 20 hC 20 wC 20 wC 30 wC	3 M 3 M 3 M 3 M 3 M	15MN 40MN 40MN 40MN 40MN	500MA 50MA 50MA 50MA 150MA	AHH ALE ALE ALE AHG	SEU TFK TFK TFK	BC238 BD232 BC232 BC232 BD237	2N4920 2N4923	0 0 0
8C176 BD177 BD178 BC179 BC180	PS NS PS NS PS	TC126 TC126 TC126 TC126 TC126	L31 L31 L31	45V 60V 60V 80V 80V	45V 60V 60V 80V 80V	5 V 5 V 5 V 5 V	1	135C 135C 135C 135C 135C	30WC 30WC 30WC 30WC	3M 3M 3M 3N 3N	40MN 40MN 40MN 40MN 40MN	150MA 150MA 150MA 150MA 150MA	AHG AHG AHH AHH AHH	TFK TFK TFK TFK TFK	BD238 BD237 BD238 BD237 BD238	2N4920 2N4923 2N4920 2N4923 2N4920	0 0 0 0
8D181 BD182 BD183 BD184 BC185	NS NS NS NS	T03 T03 T03 T03 T0126	LC5 LC5 LC5 LC5 L31	55V 7CV 85V 95V 4CV	40V 60V 80V 90V 30V	7 V 7 V 7 V 7 V 5 V	10A 15A 15A 15A 4A	200C 200C 200C 200C 135C	78WC 117WC 117WC 117WC 40WC	2M	20/70 20/70 20/70 20/70 20/70 40MN	4A 4A 4A 4A 500MA	AHG AHH AHH AHG	SEU SEU SEU MUB TFK	BDY20 BDY20 BDX50 BC441	2N3055 2N3055 2N3773 2N5192	0 0 0 0
BD186 BD187 BC188 BD189 BC19C	PS NS PS NS PS	T0126 T0126 T0126 T0126 T0126	L31 L31 L31	40V 55V 55V 70V 7CV	30 V 45 V 45 V 60 V 60 V	5 V 5 V 5 V 5 V	4 A 4 A 4 A 4 A	135C 135C 135C 135C 135C	4 CWC 40WC 4 CWC 40WC 40WC	2M 2M 2M 2M 2M	40MN 40MN 40MN 40MN 40MN	500MA 500MA 500MA 500MA 500MA	AHG AHG AHG AHG AHH	TFK TFK TFK TFK	BD442 BD441 BD442 BD441 BC442	2N5195 2N5192 2N5195 2N5192 2N5195	0 0 0 0
80195 80196 80197 80198 80199	NS PS NS PS NS	TOP66 TOP66 TOP66 TOP66 TOP66	L32 L32 L32	40V 40V 55V 55V 70V	30V 30V 45V 45V 60V	5V 5V 5V 5V	6A 6A 6A 6A	135C 135C 135C 135C 135C	65WC 65WC 65WC 65WC	2 M 2 M 2 M 2 M 2 M	30MN 30MN 30MN 30MN 30MN	1A 1A 1A 1A	AHG AHG AHG AHG AHH	TFK TFK TFK TFK	BD 589 BD X78 BD 589 BD X 78 BD 589	2N6123 2N6134 2N6123 2N6134 2N6123	0 0 0 0 0
80200 80201 80202 80203 80204	PS NS PS NS PS	TOP 66 TOP 66 TOP 66 TOP 66 TOP 66	L32 L32 L32	7CV 60V 6CV 60V	60V 45V 45V 60V 60V	5V 5V 5V 5V	6A 8A 8A 8A	135C 150C 150C 150C 150C	65 WC 55 WC 55 WC 55 WC 55 WC	2 M 3 M 3 M 3 M 3 M	30 MN 30 MN 30 MN 30 MN 30 MN	1A 3A 3A 2A 2A	AHH AHG AHG AHH AHH	TFK MUB MUB MUB	BDX78 BDX73 BDX78 BDX73 BDX78	2N6134 2N6101 2N6134 2N6101 2N6134	0 0 0
80205 80206 80207 80208 80213	NS PS NS PS NS	TCP66 TOP66 TCP66 TOP66 TOP3	L32	55V 55V 70V 70V 45V	45V 45V 60V 60V 45V	5V 5V 5V 5V 7V	1CA 10A 10A 10A 15A	150C 150C 150C 150C 150C	90WC	1500K 1500K 1500K 1500K 3M	30 MN 30 MN 30 MN 30 MN 25 MN	2A 2A 2A 2A 5A	AHG AHG AHH AHH AHG	TFK TFK TFK TFK	BDX78 BDX73 BDX78	2N6101 2N6134 2N6101 2N6134	0 0 0
BD213/45 BD213/60 BD213/80 BD214 BD214/45	1 1	TOP3 TOP3 TOP3 TOP3	L34 L34 L34 L34 L34	45V 60V 80V 45V 45V	45V 60V 80V 45V 45V	7V 7V 7V 7V 7V		150C 150C 150C 150C 150C	90WC 90WC 90WC 90WC	3M 3M 3M 3M 3M	25MN 25MN 25MN 25MN 25MN	5 A 5 A 5 A 5 A	AHH AHG	TFK	BD213/ BD213/ BD214/	8 8 8	0 0 0 0
8D214/60 8D214/80 8D220 8D221 8D222	PS PS NS NS	TOP3 TOP66 TOP66 TOP66	L 32	60V 80V	60V 80V 70V 40V 60V	7 V 7 V	44	150C 150C 130C 130C 130C	90WC 90WC 36WC 36WC 36WC	3M 3M 800K 800K 800K	25MN 25MN 30/120 30/120 20/80	5A 5A 500MA 1A 1500MA	AHH AHG AHG AHG	TFK TFK FCL FCU FCU	BD214/ BD589 BD589		00000
BD223 BD224 BC225 BD226 BD227	PS PS PS NS PS	TOP 66 TOP 66 TOP 66 TO 126 TO 126	L32 L32 L31	45V 45V	70V 40V 60V 45V 45V		4A 4A 4A 1500MA 1500MA	130C 130C 130C 125C 125C	36WC 36WC 36WC 10WC 10WC	800K 800K 800K 60M	30/120 30/120 20/80 40/250 40/250	500MA 1A 1500MA 150MA 150MA	AHG AHG AMG	FCU FCU VAL VAL	80590	2N6126 2N6126 2N6126 2N6123 2N6126	0 0 0 0
BD228 BD229 BD230 BD231 BD232	NS PS NS PS NS	T0126 T0126 T0126 T0126 T0126	L31 L31 L31		60V 60V 100V 100V 300V	5 V 5 V	1500MA 1500MA 1500MA 1500MA 250MA	125C 125C	10WC 10WC 10WC 10WC 11WC	60M 60M 60M 60M 10M	40/160 40/160 40/160 40/160 25/150	150MA 150MA 150MA 150MA 50MA	AMH AMH AMH	VAL	80589 80590 80589 80590 80232	2N6123 2N6126 2N6123 2N6126	0 0 0 0
8D233 BD234 BD235 BD236 BD237		T0126 T0126 T0126 T0126 T0126	L31 L31 L31	45V 45V 60V 60V 100V	45V 45V 60V 60V 100V	5 V 5 V 5 V 5 V	2A 2A	150C 150C 150C 150C 150C	25WC 25WC 25WC 25WC 25WC	3 N 3 N 3 M 3 M 3 M	25MN 25MN 25MN 25MN 25MN	1 A 1 A 1 A 1 A	AHG AHG AHG AHH AHH	₩UB	BC238 BC237 BC238	2N4923 2N4920 2N4923 2N4920 2N4923	0 0 0 0
BD253 BD253A BD253A BD253B BD253C	PS NS NS NS	T0126 T03 T03 T03 T03	L05 L05 L05	350V 500V 700V	200V	5٧	2A 6A 6A 6A	150C 200C 200C 200C 200C	50WC	3 M 2 500 K 2 500 K 2 500 K 2 500 K	25MN 15MN 15MN 15MN 15MN	1A 1A 1A 1A 50WC	AHH AHE AHE AHE AHE	MUB TIB TIB TIB	BD238	2N4920	0 0 0
80257 80257/45 80257/60 80257/80 80257/100	NS NS	TOP3 TOP3 TCP3 TOP3 TOP3	L34 L34 L34 L34 L34	45V 45V 60V 80V 10CV	45V 45V 60V 80V 100V		25₫	150C 150C 150C 150C 150C	125WC 125WC 125WC 125WC 125WC		10 MN 10 MN 10 MN 10 MN 10 MN	15A 15A 15A 15A 15A	АНН	TFK TFK TFK	BC257/ BD257/ BD257/ BD257/ BD257/	l 1 1	0 0 0 0
BD258 BD258/45 BD258/60 BD258/80 BD258/100	PS PS	TOP3 TOP3 TOP3 TOP3 TOP3	L34 L34 L34 L34 L34	45V 45V 60V 80V 10CV	45V 45V 60V 80V 100V		25A 25A 25A	150C 150C 150C 150C 150C	125WC 125WC 125WC 125WC 125WC		10MN 10MN 10MN 10MN 10MN	15A 15A 15A	AHG AHH AHH	TFK TFK TFK	BD258/ BD258/ BD258/ BD258/ BD258/	1 l 1	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	F C T OB MIN MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ıss
BC262 BD262A BD263 BD263A BD266	PS PS NS NS	T0126 T0126 T0126 T0126 T0P66	L69 L69 L69	60V 80V 80V 100V 60V	60V 80V 60V 80V		6A 6A 6A 6A	150C 150C 150C 150C 150C	36WC 36WC 36WC 36WC 55WC	1 M 1 M 1 M 1 M 1 M	750MN 750MN 750MN 750MN 750MN	1500MA 1500MA 1500MA 1500MA 3A	AHC AHD AHD AHD AHD	MUB MUB MUB MUB MUB	-		0 0 0 0
BD266A BD267 BD267A BD301 BD302	PS NS NS NS PS	TOP66 TOP66 TOP66 TOP66 TOP66	L32 L32 L32	8CV 80V 100V	80V 60V 80V 45V 45V		A 3 A 8 A 8	150C 150C 150C 150C 150C	55WC 55WC 55WC 55WC 55WC	1 M 1 M 1 M 3 M 3 M	750MN 750MN 750MN 30MN 30MN	3 A 3 A 3 A 3 A	AHD AHD AHG AHG	MUB MUB SEU	BD589 BD590	2N6123 2N6126	00000
BD303 BD304 BD306A BD306B BC307A	NS PS NS NS	TOP66 TOP66 TO126 TO126 TO126	L32 L31 L31	36V 36V 64V	60V 60V 36V 36V 64V	5 V	2500MA 2500MA 2500MA	150C 150C 125C 125C 125C	55WC 55WC 10WC 10WC 10WC	3 M 3 M 50 M 50 M 50 M	30MN 30MN 50/150 100MN 50/150	2A 2A 500MA 500MA 500MA	AHG AHG AHG AHH	SEU 1T8	B 0590	2N6123 2N6126 2N4923 2N4923 2N4923	0 0 0
BD3C7B BD40C BD41C BD433 BC433A	NS NS NS NS	T0126 T0126 T0126 T0126 T0126	L31 L31 L31	64V 170V 500V 22V 22V	64V 100V 325V 22V 22V	5V 7V 6V 5V	2500MA 1A 1A 4A 4A	125 C 150 C 150 C 150 C 150 C	10WC 15WC 20WC 36WC 36WC	50M 500K 3M 3M	100MN 40MN 30/240 50MN 100MN	500MA 500MA 50MA 1A 500MA	AHH AMH ALE AHG AHG	ITE TIB TIE MUE SID	BD237 BD169 BD232 BD441 BD441	2N4923 2N4923 2N5192 2N5192	0 0 0
8D4338 8D433C 8D434 8D434A 8D434B	NS NS PS PS	T0126 T0126 T0126 T0126 T0126	L31 L31 L31	22V 22V 22V 22V 22V	22V 22V 22V 22V 22V	5 V 5 V 5 V 5 V	4A 4A 4A 4A	150C 150C 150C 150C 150C	36WC 36WC 36WC 26WC 36WC	3 M 3 M 3 M 3 M 3 M	160MN 250MN 50MN 100MN 160MN	500MA 500MA 2A 500MA 500MA	AHG	SID SID MUB SID SID	BD441 BD442 BD442	2N5192 2N5192 2N5195 2N5195 2N5195	0 0 0
8D434C 8D435 8D435A 8D435B 8D435C	PS NS NS NS	T0126 T0126 T0126 T0126 T0126	L31 L31 L31	22V 32V 32V 32V 32V	22V 32V 32V 32V 32V	5 V 5 V 5 V 5 V	4 A 4 A 4 A 4 A	150C 150C 150C 150C 150C	36WC 36WC 36WC 36WC 36WC	3M 3M 3M 3M 3M	250 MN 50 MN 100 MN 160 MN 250 MN	500MA 2A 500MA 500MA	AHG	SID MUB SID SID SID	80441 80441	2N5195 2N5192 2N5192 2N5192 2N5192	0 0 0
BD436A BD436B BD436C BD437	PS PS PS NS		L31 L31 L31	32V 32V 32V 32V 32V 45V	32V 32V 32V 32V 45V	5 V 5 V 5 V 5 V	4A 4 A 4 A 4 A	150C 150C 150C 150C 150C	36WC 36WC 36WC 36WC	3M 3M 3M 3M 3M	50MN 100MN 160MN 250MN 40MN	2 A 500 MA 500 MA 500 MA 2 A	AHG AHG AHG	SID	BD442	2N5195 2N5195 2N5195 2N5195 2N5192	0 0 0
80438 80439 80440 80441 80442	PS NS PS NS	T0126	L31 L31 L31	45 V 6 C V 6 O V 8 C V 8 O V	45V 60V 60V 80V	5 <b>∨</b> 5∨	4 A 4 A 4 A 4 A	150C 150C 150C 150C 150C	36WC 36WC 36WC 36WC 36WC	. 3M	40MN 25MN 25MN 15MN 15MN	2 A 2 A 2 A 2 A 2 A	АН С АНН АНН АНН	TFK TFK TFK	BD442 BD441 BD442 BC441 BD442	2N5195 2N5192 2N5195 2N5192 2N5195	0 0
BD461 BD462 BD463 BD464 BC466	NS PS NS PS	T0126 T0126	L69 L69	35 V 35 V 35 V	3CV 30V 30V 30V 45V	6V 6V		150C	30WC 30WC 30WC 30WC	50M 50M 50M	40MN 40MN 30MN 30MN 4000MN	2A 2A 2A 2A 500MA	RHG RHG RHG	TIB			0000
80477 80575 80576 80577 80578	PS NS PS NS	TOP66 TOP66 TOP66	L32 L32 L32		45V 45V 45V 60V		1200MA 3A 3A 3A	150C 150C 150C	8 WC 30 WC 30 WC 30 WC 30 WC	3M 3M 3M	4000MN 25MN 25MN 25MN 25MN	5 C O M A 1 A 1 A 1 A	AHG AHG	MOB MOB MOB			0 0 0
BD579 BD580 BD581 BD582 BD585	NS PS NS PS	TCP66 TCP66 TOP66	L32 L32 L32		80V 80V 100V 100V 45V		3A 3A 3A 4A	150C 150C 150C	30 WC 30 WC 30 WC 30 WC 42 WC	3M 3M 3M	15MN 15MN 15MN 15MN 25MN	1A 1A 1A 1A	AHH AHH AHG	MOB MOS MUB		2N6123	0 0
BD586 BD587 BD588 BD589 BD590	PS NS PS NS	TOP 66 TOP 66 TOP 66	L32 L32 L32	60V 60V 80V	45 V 60 V 60 V 80 V	5 V 5 V 5 V	4 A 4 A 4 A 4 A	150C 150C	42 WC 42 WC 42 WC 42 WC 42 WC	3M 3M 3N	25MN 25MN 25MN 15MN 15MN	2A 2A 2A 2A 2A	AHE AHE	TFK TFK	BD 589 BD 590	2N6126 2N6123 2N6126 2N6123 2N6126	0
8D599 8D595 8D596 8D597 8D598	NS NS PS NS	TOP 66 TOP 66	L32 L32 L32	45V 45V 6CV	80 V 45 V 45 V 60 V	5 V 5 V 5 V	A 8 A 8	150C 150C 150C 150C 150C	55WC 55WC 55WC 55WC	3 M 3 M 3 N	15MN 25MN 25MN 25MN 25MN	3 A 3 A 3 A 3 A	AHC AHC	TFK TFK	8DX73 BDX78 BDX73	2N6101 2N6101 2N6134 2N6101 2N6134	0
80600 80601 80602 80605 80606	PS NS PS	TOP66 TOP66	6 L32 6 L32	2	80V 100V 100V 45V			150C 150C 150C		3 м	15MN 15MN 15MN 15MN 15MN	3 A 3 A 4 A	AHE AHE	MOE MOE MUE		2N6134	0
ED607 BD608 ED609 BD610 BD675	NS PS NS	TOP6	6 L32 6 L32 6 L32	2	60V 60V 80V 80V		10A 10A 10A	150C 150C 150C 150C 150C	90W0	1500K 1500K 1500K 1500K 1500K	15MN 15MN 15MN 15MN 750MN	4 A 4 A 4 A 4 A 2 A	AHE AHE	MUE H MUE H MUE			0
8D676 8D677 8D678 8D679 8D680	PS NS PS	T012	6 L31 6 L31 6 L31	60V 1 60V	807	5V 5V 5V	4 A 4 A	150C 150C 150C 150C 150C	40 % 6 40 % 6 40 % 6 40 % 6	1M 1M 1M	750MN 750MN 750MN 750MN 750MN	2/ 2/ 2/ 1500M/ 1500M/	HA A	TFR TFR	BD442	2N5195 2N5195	(

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	F C T OB MIN MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ıss
BD695 BD696 BD697 BD698 BD699	NS PS NS PS	TOP 66 TOP 66 TOP 66 TOP 66	L32 L32 L32	45V 45V 6CV 6OV 8CV	45V 45V 60V 60V 80V	5 V 5 V 5 V 5 V	5 A 5 A 5 A 5 A 5 A	150C 150C 150C 150C 150C	70WC 70WC 70WC 70WC 70WC	1M 1M 1M 1M	750MN 750MN 750MN 750MN 750MN	48 40 40 40 30	АНА АНА АНА	TFK TFK TFK		2N6101 2N6101 2N6101	0 0 0 0
ED700 BD701 E0702 BDX11 BOX14	PS PS NS PS	TOP66 TOP66 TO126 TO3 TO66	L32	80V 10CV 10CV 160V 90V	80 V 100 V 100 V 140 V 55 V	5V 5V 5V 7V	5 A 5 A 5 A 10 A	150C 150C 150C 200C 200C	7 CWC 70WC 70WC 117WC 29WC	1M 1M 1M 800K	750MN 750MN 750MN 20/70 25/100	3A 3A 3A 3A 500MA	AHA AHH AHH AHG	TFK TFK ATI	BDX73 BC442 BDX11 BDX14	2N6101 2N5195 2N3442 2N3740	0 0 0 0
BDX18 BDX18N BDX35 BDX36 BDX37	PS PS NS NS	T03 T03 T0126 T0126 T0126	L31	100V 7CV 10CV 120V 120V	000 000 000 000 000	7V 7V 5V 5V 5 V	15A 15A 5A 5A 5A	2000 2000 1500 1500 1500	117WC 117WC 36WC 36WC 36WC	4 M 4 M 5 O M 5 O M	20/70 20/70 45/450 45/450 45/450	4A 4A 500MA 500MA 500MA	АНА АНН АНН АНН	SEU MUB MUB	BEX18	2N3792 2N3792 2N5192 2N5192 2N5192	0 0 0
BCX62 BCX62A BCX63 BCX63A BOX64	PS PS NS PS	103 103 103 103 103	L05 L05 L05 L05 L05	6CV 80V 80V 100V 60V	V08 V08 V08 V08		12A 12A 12A 12A 12A	200C 200C 200C 200C 200C	90 WC 90 WC 90 WC 90 WC 117 WC	1 M 1 M 1 M 1 M	1000MN 1000MN 1000MN 1000MN 1000MN	3A 3A 3A 3A 5A	AHD AHD AHD AHD	MUB MUB MUB			0 0 0 0
BCX64A BDX65 BDX65A BDX66 BCX66A	PS NS NS PS	T03 T03 T03 T03	LC5 LC5 LC5 LC5	8CV 80V 1COV 6CV 8CV	V08 V03 V03 V06 V08		12A 12A 12A 20A 20A	2000 2000 2000 2000 2000 2000	117WC 117WC 117WC 150WC 150WC	1 M 1 M 1 M 3 M 3 M	1000MN 1000MN 1000MW 1000MN 1000MN	5 A 5 A 5 A 1 C A	ı	MUB MUB MUB			0000
BCX67 BDX67A BDX70 BDX71 BCX72	NS NS NS	TC3 TC3 TOQ66 TOP66 TCC66	L 32	8CV 100V 70V 7CV 8CV	60v 60v 60v 70v	8 V 8 V 8 V	2CA 2OA 1OA 1OA 1CA	150C	150WC 150WC 75WC 75WC 75WC	3M 3M	1000MN 1000MN 20/80 20/80 20/80	10A 10A 4A 4A 5A	l .	MUB ITA ATI		2N6100 2N6101 2N6100	0 0 0 0
8DX73 BDX74 BDX75 BDX77 BCX78	AS AS AS PS	TCP 66 TOQ 66 TOP 66 TOP 66 TOP 66	L33 L32 L32	80V 45V 45V 80V 80V	70v 40v 40v 80v 80v	8 V 5 V 5 V 5 V	1 C A 1 6 A 1 6 A 1 2 A 8 A	150C 150C 150C 150C 150C	75WC 75WC 75WC 55WC 55WC	1 M 3 M	20/80 15/60 15/60 30MN 30MN	5A 8A 8A 2A 2A	AHH AHG AHG AHH AHH	ATI ATI MUB	BCX73 BDX72 BDX75 BDX73 BCX78	2N6101 2N6100 2N6103 2N6101 2N6134	0 0 0
BDY10 BDY11 BDY15 BDY15 BDY15A	NS NS NS	TO3 TO3 XO3 XO3 XO3	L05 L05 L05 L05 L05	50V 10CV 36V 36V 36V	40 V 70 V 36 V 36 V 36 V		4A 4A 2500MA 2500MA 2500MA	175C 175C 175C 175C 175C	15 CWC 150WC 12WC 12WC 12WC	1M 1M 50M 50M 50M	10/50 10/50 50/600 50/600 50/150	2A 2A 50 CMA 50 CMA 50 CMA	RHG	MUB ITB ITB	BDY2C BCX50 BD107 B0107 BC107	2N3055 2N3773	00000
8DY158 BDY15C 8CY16 BDY16A BDY168	NS NS NS		L05 L05 L05 L05		36V 36V 64V 64V 64V	5∨ 5∨ 5∨	2500MA 2500MA 2500MA 2500MA 2500MA	175C 175C	12 h C 1 2 h C 1 2 h C 1 2 h C 1 2 h C	50M 50N 50N 50M 50M	100MN 200MN 50/300 50/150 100MN	500MA 500MA 500MA 500MA 500MA	RHG RHG	ETI ETI	BC107 BC107 BD107		0 0 0 0
BDY20 BDY23 BDY23A BDY23B BDY23C	NS NS NS NS	T03 T03 T03 T03	L05 L05 L05 L05	60V 60V 60V	60V 60V 60V	10V 10V	15A 6A 6A 6A	200C 200C 200C 200C 200C	115hC 87hC 87wC 87wC 87wC	500K 10M 10M 10M 10M	20/70 15/180 15/45 30/90 75/180	4A 2A 2A 2A 2A	AHG RHG RHG RHG RHG	SEU SEU SEU	BDY24 BDY24 BDY24	2N3055 2N3448 2N3448 2N3448 2N3448	0 0 0 0
ECY24 BDY24A BDY24B BDY24C BDY25	NS NS NS NS	TC3 TO3 TC3 TC3 TO3			90V 90V 90V 140V	10 V 10 V 10 V	6A 6A 6A 6A	200C 200C 200C 200C 200C	87hC 87hC 87WC 87WC 87WC	10M 10M 10M 10M	15/180 15/45 30/90 75/180 15/180	2 A 2 A 2 A 2 A 2 A	R H H R H H R H E	SEU SEU	BDY24 BDY24	2N3448 2N3448 2N3448 2N3448	0 0 0 0
BDY25A BDY25B BDY25C BDY26 BCY27	NS NS NS NS	T03 T03 T03 T03		200V 200V 300V	140v 140v 140v 180v 200v	10 V 10 V 10 V	6A 6A 6A 6A	200C 200C 200C 200C 200C	87WC 87WC 87WC 87WC 87WC	10M 10M 10M 10M 10M	15/45 30/90 75/180 15/180 15/180	2 A 2 A 2 A 2 A	RHE	SEU	BDY28 BDY28	2N5157 2N5157	0000
BDY28 BCY34 BDY38 BCY53 BOY54	NS NS NS NS	T03 T0126 T03 T03 T03	L05	60V 50V 10CV	25 C V 4 O V 4 O V 6 O V 1 2 O V	10V 5 V 7 V 7 V	6A 3A 6A 12A 12A	200C 150C 200C 200C 200C	87WC 13WC 115WC 60WC 60WC	10M 80M 500K 10M 10M	15/180 30/300 30MN 20/60 20/60	2A 2A 2A 2A	VHG AHG	TFK MUB SEU	BD Y20 BD Y56	2N5157 2N3055	0 0 0
8DY55 8DY56 8DY57 8DY58 8DY60	NS NS NS	T03 T03 T03 T03 TC3	L05 L05 L05	100V 150V 120V 160V 120V	60V 120V 80V 125V 60V	7 V 7 V 1 O V 1 O V 5 V	15A 15A 25A 25A 10A	200C 200C 200C 200C 175C	115WC 115WC 175WC 175WC 30WC	10M 10M 10M 10M 30M	20/70 20/70 20/60 20/60 45/450	4A 4A 10A 10A 500MA		S EU S E U			0 0 0 0
BDY61 BDY62 BDY63 BDY64 BDY65	NS NS NS NS	T03 T03 T061 T063 T05	L05 L05 L46 L60 L04	1000	60V 30V 80V 80V 100V	5 V 5 V	10A 1CA 1CA 30A 1A	175C 175C 200C 200C 200C	30WC 30WC 50WC 10CWC 15WC	30 M 30 M 40 M 30 M 30 M	45/450 45/450 30/150 20/100 50/300	500MA 500MA 5A 15A 200MA	RHG RHH RHH	MUE MUB TIE TIE			0 0 0 0
BDY66 BDY69 BDY70 BDY71 BDY72	PS NS	X26 T061 T05 T066 T066	L46 L04 L43	150V 100V 100V 90V 150V	100v 80v 80v 55v 120v	7 V	1A 12A 2A 4A 3A	200C 200C 200C 200C 200C	15 WC 50 WC 1 5 WC 2 9 WC 25 W C	30 M 30 M 30 M 800 K 800 K	50/300 20/80 30/200 80/20 60/180	1 A 500MA	RHH RHH AHG		BUY 3 8 BD Y 7 2	2N 3054 2N 3441	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
BDY73 BDY74 BDY76 BCY78 BDY79	NS NS NS NS	T03 T03 T03 T066 T066	L 05 L 05 L 05 L 43 L 43	100V 150V 100V 90V 150V	60 V 120 V 60 V 55 V 120 V	7 V 7 V 7 V 7 V	15A 10A 20A 4A 4A	200C 200C 200C 200C 200C	117WC 117WC 150WC 25WC 25WC			50/U50 50/150 40/120 25/100 25/100	4A 3A 10A 500MA 500MA	AHG AHH AHG RHG RHH	SEU SEU SEU SEU SEU	BD X50 BDY 40 BDY 78	2N3055 2N3773 2N3772 2N5050	0 0 0 0
BDY8GA BDY8OB BDY8OC BDY81A BDY81B	NS NS NS NS	10P66 10P66 10P66 10P66 10P66	L32 L32 L32	40V 40V 40V 60V 60V	35V 35V 35V 50V 50V	10V 10V 10V 10V 10V	4 A 4 A 4 A 4 A	150C 150C 150C 150C 150C	36 WC 36 WC 36 WC 36 WC			40/80 70/140 120MN 40/80 70/140	500MA 500MA 500MA 500MA 500MA	AHG AHG AHG AHG	MIS MIS MIS MIS	BD589 BD589 BD589 BD589 BD589	2N6123 2N6123 2N6123 2N6123 2N6123	0 0 0
BDY81C BDY82A BDY82B BDY82C BDY83A	NS PS PS PS	10P66 10P66 10P66 10P66 10P66	L32 L32 L32	60V 40V 40V 40V 60V	50V 35V 35V 35V 50V	10V 5V 5V 5V 5V	4 A 4 A 4 A 4 A	150C 150C 150C 150C 150C	36WC 36WC 36WC 36WC 36WC			120MN 40/80 70/140 120MN 40/80	500MA 500MA 500MA 500MA 500MA	AHG AHG AHG AHG AHG	MIS MIS MIS MIS	BD589 BD590 BD590 BD590 BD590	2N6123 2N6126 2N6126 2N6126 2N6126	0 0
8DY83B 8DY83C 8DY90 8DY91 8DY92	PS PS NS NS	T0P66 T0P66 T03 T03		60V 60V 120V 100V 80V	50V 50V 100V 80V 60V	5V 5V 6V 6V	4A 4A 15	150C 150C 175C 175C 175C	36WC 36KC 40WC 40WC 40WC	35 M 35 M 35 M		70/140 120MN 30/120 30/120 30/120	500MA 500MA 5A 5A 5A	AHG AHG RHH RHH RHH	MIS MIS MUB MUB	80590 8D590	2N6126 2N6126	0 0 0
80Y93 80Y94 80Y95 80Y96 80Y97	NS NS NS NS	T03 T03 T03 T03	L05 L05 L05 L05 L05	75CV 75CV 600V 750V 75CV	350V 300V 250V 350V 300V	6V 6V 6V	6A 6A 15A 15A	150C 150C 150C 150C 150C	30WC 30WC 30WC 40WC 40WC	4 M 4 M 5 M 5 M		15/60 15/60 15/60 15/60 15/60	1 A 1 A 1 A 2 A 2 A	AHE AHE AHE AHE AHE	MUB MUB MUB MUB			0000
BDY98 BF108 BF109 BF111	NS NS NS NS	103 105 105 105 1039	L 05 L 04 L 04 L 04 L 04	600V 135V 135V 170V 200V	250V 110V 90V	6V 3 V 2 V 3 V 5 V	15A 50MA 50MA 30MA 80MA	175C 175C 175C	24040 WM008 WM0062 WM006 WE	5 M 50 M 80 M 100 M 60 M	3P 3R0 7P 3R5	15/60 50TP 20MN 30MN 20MN	2A 3 CMA 1 CMA 1 OMA 6 OMA	AHE TVM TVH TVH TVE	MUE 0ES 0BS 0BS SID	BF178 BF178 BF178 BF179		0000
BF114 BF115 BF117 BF118 BF119	NS NS NS NS	105 1072 105 105 105	L04 L51 L04 L04 L04	135V 50V 140V 250V 160V	30V 140V 250V 160V	3 V 5 V 5 V 5 V	40MA 30MA 100MA 100MA		565MWF 145MWF 680MWF 800MWF 800MWF	40M 60M	7P 1R3 4P 7P 7P	20MN 45/165 25MN 25MN 25MN	10MA 1MA 30MA 30MA 30MA	TVM FRM TVE ALE ALE	OBS MUB ITB ITB ITB	BF178 BF185 BF179 BF337 BF337	2N4927 2N4927	0 0 0
BF120 BF121 BF123 BF125 BF127	NS NS NS NS	T018 X24 X24 X24 X24 X24	LC1 L52 L52 L52 L52	220 V 40 V 40 V 40 V 40 V	220V -30V 25V 25V 30V	5 V 4 V 4 V 4 V		125C 125C 125C	300MWF 330MWF 330MWF 330MWF 330MWF	175M 275M 225M	0R46 0R46	20 MN 30 MN 35 MN 35 MN 30 MN	1 CMA 4MA 7MA 7MA 4MA	ALE TIG TIA TIA	085 178 178 178 178	BF173	2N4927	0 0
BF137 BF140 BF140A BF140D BF140R	NS NS NS NS	T05	L04	1350	16CV	5 V 4 V 4 V 4 V 3 V	30MA 50MA	175C 175C 175C 175C 175C	680MWF 800MWF 800MWF 800MWF 600MWF	40N 40N 35N	4P 4P 4P 4P	15MN	20MA	TVH TVE	08 S 08 S 0 8 S	BF178 BF178 BF179		0 0
BF140S BF152 BF153 BF154 BF155	NS NS NS NS	T0106 T0106	L 17	135 V 30 V 30 V 30 V 40 V	12V 12V 20V 40V	2V 4 V	25MA 25MA 50MA	P.	1WF 20CMWF 200MWF 30CMWF 175MWF	600M 300M 200M	1P2 3P5	25MN 20MN 25MN	10MA 3MA 3MA 1CMA 2MA	TUO FRM TIG	201 201 201	BF183 BF185 BF167		0 0
3F155R 3F155S BF156 3F157 3F1578	NS NS NS NS	T039	L01 L01 L04 L04 L04	155 V 120 V 150 V	120 v 150 v 175 v	5 V	50MA 100MA 100MA	175C 175C 200C 200C 200C	600MWF 1 WF 800MWF 800MWF 800MWF	90 M 30 M 30 M	4P 4P 12P 12P 12P	20 MN 30 MN 30 MN	10MA 10MA 30MA 30MA	TVH TVH	NUC SGI SGI	BF178 BF178 BF1790	1	0 0
8F158 8F159 8F160 8F161 8F162	NS NS NS	T0106 T0106 T072	L17 L17 L06	50V	12V 20V 12V 50V 40V	2 V 2 V 4 V	50MA 20MA	125C 125C 125C 175C 175C	200MWF 200MWF 200MWF 175MWF 200MWF	600M 400M 400M	1P2 1P2 0P45	20MN 20MN 20MN	3 M A	TIA FRM TUO	SGI SGI	BF173 BF185		0
BF163 BF164 BF165 BF166 BF167	NS NS NS	T0106 T0105 T072	L17	40V 30V 40V	40 V 40 V 15 V 40 V	4 V 4 V 3 V	25MA 25MA 25MA	125C 125C 125C 175C 175C	200MWF 200MWF 300MWF 175MWF	400M 200M 400M	3R5	30MN 20MN 20MN	4MA 2MA 2MA		SG I SG I	BF167 BF185		0
BF168 BF169 BF173 BF174 BF175	NS NS NS	T018 T072 T039	L01 L01 L51 L04 L06	50V 40V 150V	25V 150V	5 V 4 V		175C 175C 200C	260MWF 300MWF 260MWF 800MWF 175MWF	200M 350M 40M	6P 0R3 7P	40MN 40/100 30MN	10 M A 7 M A 10 M A	FRM FRM TIA TVE	OBS MUB SGI		:	
8F176 8F177 8F178 8F179 BF179A	NS NS NS	T039 T039 T039	L04	100V 185V	60 V 115 V 115 V	5 V 5 V 5 V	50MA		250MWF 600MWF 600MWF 600MWF	60 M	3P0 3R6 3R6 3R6	20MN 20MN 20MN	10 MA 15 MA 20 MA	TVH	MUE MUE MUE	BF173 BF1790 BF1790 BF1790 BF1790		
BF179B BF179C BF180 BF181 BF182		1039		30v	115\ 20\ 20\	5V 3V 3V	50M/ 20M/ 20M/	200C 200C 175C 175C 175C	600 MWI 60 CM WI 15 CMWI 15 CMWI	= 60 M = 335 M = 300 M	385 385 10856 10856	20 MN 13 MN 13 MN	30 MA 2 MA 2 MA	TVE	MUE MUE MUE	8 BF1790 8 BF1790 8 BF180 8 BF180 8 BF182		

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	F C T OB MIN MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
EF183 BF184 BF185 BF186 EF187	NS NS NS NS	TC72 TO72 TO72 TO39 TO18	L06 L51 L51 L04 L01	25 V 30 V 30 V 165 V 40 V	20V 20V 20V	3V 5V 5V 5V	15MA 30MA 30MA 50MA 25MA	175C 175C 175C 200C 175C	15CMWF 145MWF 145MWF 750MWF 160MWF	400MCR66 150M 1R3 110M 1R3 60M 4P 250M	10MN 75/750 34/140 20MN 40MN		FRH FRM TVH	MUB MUB OBS	BF183 BF184 BF185 BF178 BF200		0 0 0
BF188 BF189 BF194 BF195 EF196	NS NS NS NS	T072 T072 X09 X09 X09	L06 L06 L11 L11 L11	50V 50V 30V 30V 40V	50V 30V 20V 20V 30V	5 V 5 V 5 V 5 V 4 V	50 MA 25 MA 30 MA 30 MA 25 MA	1750 1750 1250 1250 1250	200MWF 160MWF 250MWF 250MWF 250MWF	300M 150M 130M 1R9 100M 1R9 200M 0R4		1 CMA 1 MA 1 MA 1 MA 4 MA	FVG FVG FRH FRM TIG	OBS MUB MUB	BF200 BF184		0 0 0 0
BF 197 BF 198 BF 199 BF 200 BF 206	NS NS NS NS	X09 X10 X10 T072 T072	L11 L19 L19 L06 L06	40V 40V 40V 30V 30V	20V 30V 20V 20V 20V	4 V 4 V 4 V 3 V 3 V	25MA 25MA 25MA 20MA 20MA	125C 125C 125C 175C 175C	250MWF 250MWF 250MWF 150MWF 200MWF	275M OR6 200M OR4 275M OR6 325MOR56 250M OR5	38MN 27MN 38MN 15MN 20MN	7MA 4MA 7MA 2MA 2MA	TIA TIG TIA FVG FVG	T F K			0 0 0 0
8F207 8F208 8F209 8F212 8F213	NS NS NS NS	T072 T072 T072 T072 T072	L06 L06 L06 L06	40V 40V 30V 30V 20V	30 V 25 V 20 V 20 V 15 V	4V 4V 3V 3V 3V	25MA 25MA 20MA 20MA 50MA	175C 175C	150MWF 230MWF 200MWF 200MWF 200MWF	200M 0P3 300M0R46 250M 0R6 350M 0R5 300M 0R6	40MN 50MN 15MN 22MN 15MN	4MA 7MA 2MA 2MA 2MA	FVG FVG FVG TUG	08S 08S 08S	BF200 BF200 BF200 BF200 BF180		0 0 0 0
BF214 BF215 BF222 BF223 BF224	NS NS NS NS	1072 1072 1072 X09 X10	L51 L51 L06 L11 L19	30V 30V 50V 32V 45V	30V 30V 50V 25V 30V	4V 4V 4V 4V	30MA 30MA 20MA 30MA 50MA	175C 175C 175C 140C 150C	160MWF 160MWF 175MWF 350MWF 360MWF	150M 0P7 150M 0P7 200M 375M 0R7 300M0R46	75MN 35MN 20MN 40MN 30MN	1 MA 1 MA 2 MA 15 MA 7 MA	FRH FRM FVG TIA	OBS SGI TFK	BF184 BF185 BF200 BF173 BF173		0 0 0 0
BF224JF BF224JF BF225 BF225J BF225JF	NS NS NS NS	T092 T092 X10 T092 T092	L53 L58 L15 L53 L58	45V 45V 50V 50V 50V	30V 30V 40V 40V 40V	4V 4V 4V 4V	50MA 50MA 50MA 50MA 50MA	150C 150C 150C 150C 150C	360MWF 360MWF 360MWF 360MWF 360MWF	300M0R46 300M0R46 400M0R44 400M0R44 400M0R44	30 MN 30 MN 30 MN 30 MN 30 MN	7MA 7MA 4MA 4MA 4MA	TIA TIA TIG TIG	T18 T18	BF167		0 0 0 0
8F226 8F227 8F228 8F229 8F230	NS NS NS NS	T072 X25 X25 X25 X25 X25	L51 L56 L55 L56 L56	30V 40V 1COV 30V 30V	30V 25V 80V 20V 20V	4V 4V 7V 5V 5V	50MA 25MA 50MA 30MA	125C 125C	165MWF 50MWF 50MWF 50MWF 50MWF	150M 1R4 303M0R46 50M 130M 1R7 100M 1R7	30MN 30MN 67/220	1 MA 3 MA 2 MA 1 MA 1 MA	FRM TIA ALH FRH FRM	TFK TFK TFK		2N1990R	00000
BF232 BF233 BF233/2 BF233/3 BF233/4	NS NS NS NS	T072 T0106 T0106 T0106 T0106	L18	25 V 30 V 30 V 30 V 30 V	25V 30V 30V 30V 30V	4 V 4 V 4 V 4 V	30MA 30MA 30MA 30MA 30MA	125C 125C	27CMWF 300MWF 300MWF 300MWF 300MWF	300M0R68 150M 1R0 150M 1R0 150M 1R0 150M 1R0	40/70 60/100	7MA 1MA 1MA 1MA 1MA	TIA FRH FRH FRH FRH	SES SES	BF184		0 0 0
BF 233/5 BF 233/6 BF 234 BF 235 BF 236		T0106 T0106 T0106 T0106 T0106	L18 L18	30 V 30 V 30 V 30 V 30 V	30V 30V 30V 30V 30V		30MA	125C 125C 125C 125C 125C			90/330 40/165	1 M A 1 M A 1 M A	FRH	S G I	BF184 BF184 BF184 BF185 BF185		0 0 0 0
BF237 BF238 BF240 BF241 BF243	NS NS NS	X10 X10 X10 X10 X10	L19 L15 L15 L19 L15	45V 45V 40V 40V 35V	30V 30V 40V 40V 32V	4 V 4 V 4 V 4 V 5 V	30MA 25MA 25MA	150C 150C 150C 150C 150C	360MWF 360MWF 30CMWF 300MWF 200MWF	0R6 0R6 215MOR34 200MOR34 80M	60MN 67/220	1MA	FRM FRH TIG FRM ALG	TIR TEK TEK	BF185 8F184 BF167 BF167		0 0 0
EF244 BF245 EF246 BF247 EF248	FE FE FE NS	T018	LC1	30V	25V	3∨	60CMA	175C	400MWF	180M 9P	30/300	10MA	FET FET	SES		2N2222A	0 0 0 0
BF249 BF250 BF251 BF252 BF254	PS NS NS NS	T018 T018 T072 T072 X10	LC1 L01 L51 L51 L19	30V 15V 30V 40V 30V	25V 15V 30V 30V 20V	3V 3V 4V 4V 5V	25MA		40 CMWF 400MWF 15 CMWF 15 OMWF 30 CMWF	180M 9P 20M 10P 300M 0R3 100M0R74 130M 1R7	30MN 30MN	1 GOUA 4 M A 2 M A		TIF SGI SGI	BSW24 BC109 BF167 BF185 BF184	2N2907A 2N930	0000
EF255 BF256 BF257 BF258 BF259	NS	X10 T039 T039 T039		250v	20V 160V 250V 300V	5 V 5 V 5 V	30MA 100MA 100MA 100MA	175C	30CMWF 500MWF 800MWF 500MWF	100M 1R7 55M 7P 55M 7P 90M 7P	36/125 25MN 25MN 25MN	3 CM A 3 OM A	TVM TVH	MUB SES SES	BF185 BF257 BF258 BF259		0 0 0
BF260 BF261 BF268 BF270 BF271	NS NS NS NS	T072 T072 T018 T072 T072	L51 L51 LC1 L06 L06	45 V 40 V 30 V 40 V 30 V	30 V 30 V 30 V 40 V 30 V	4 V 4 V 4 V 4 V	50MA 25MA 20MA	175C 175C 175C 175C 175C 200C	150MWF 150MWF 150MWF 150MWF 250MWF	400MOR32 365MOR32 600M 300M OR2 450M	35MN 35MN 25MN 30MN 30MN	1 MA 3 M A	TIG ULA TIG	ATI OBS SGI	BF20C BF167 BF190 BF167 BF173	2N2857	0 0 0 0
8F273 BF273C BF273C BF274 BF274		T0106	L18 L18	25 V 25 V 25 V 25 V 25 V	25V 25V 25V 25V 25V	4 V 4 V 4 V 4 V	50MA 50MA 50MA	125C 125C 125C 125C 125C	200MWF 200MWF 200MWF 200MWF 200MWF	400M OR6 400M OR6 400M OR6 400M OR6 400M OR6	35MN 70/120 35/75 70MN 100MN	1 M A 1 M A 1 M A	FVG TIA	SGI SGI SGI	8F200 8F200 8F200 8F173 8F173		0 0 0 0
8F274C 8F287 8F288 8F290 8F291	NS NS	T0106 T072 T072 T072 T018	L18 L06 L06 L06 LC1	25V 40V 40V 40V 50V	25V 40V 40V 40V 40V	4 v 4 v 4 v 4 v 5 v	20MA 20MA	125C 200C 200C 200C 200C	250MWF 250MWF 250MWF	400M OR6 400MOR42 250MOR48 700MOR42 260M 3P5	40MN 65MN 50MN	2MA 1 MA 3 MA	FVG FVG TUO	SG I SG I SG I	8F173 8F200 8F200 8F183 8FX93	2N918	0 0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	F C T OB MIN MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ıss
BF291A BF291B BF292 BF292A BF292B	NS N	T018 T018 T039 T039	LC1 LC1 LC4 LC4 LC4	150 V	40V 40V 220V 150V 190V	5 V 5 V 5 V 5 V	100MA 100MA 300MA 100MA	200C 200C 200C 200C 200C	360MWF 360MWF 800MWF 800MWF	260M 3P5 260M 3P5 30M 12P 30M 12P 30M 12P	60MN 100MN 30MN 30MN 30MN	10 MA 10 MA 10 MA 10 MA 10 MA	VLA VLA TVH TVM	SGI SGI	BFX93 BFX93 BF258 BF257 BF258	2N918 2N918	0 0 0 0
BF292C BF293 BF293A BF293D BF294	NS N	T039 T018 T018 T018 T039	L04 L01 L01 L01 L04	220V 50V 50V 50V 160V	220V 45V 45V 45V 160V	5V 5 V 5 V	300MA 50MA 50MA 50MA 100MA	200C 200C 200C 200C 200C	800MWF 360MWF 360MWF 360MWF 800MWF	30M 12P 250M 3P5 190M 5P4 190M 5P4 40M 3P5	30MN 50/300 170TP 100TP 30MN	10MA 10MA 10MA 10MA 10MA	TVH VLA VLA TVP	SG I		2N2222A 2N2222A 2N2222A	0 0 0 0
BF297 BF298 BF299 BF302 BF303	NS NS NS NS	X10 X10 X10 T072 T072	L20 L20 L20 L51 L51		160V 250V 300V 30V 30V	5 V 5 V 5 V 4 V 3 V	100MA 100MA 100MA 50MA 50MA	150C 150C 150C 175C 175C	625MWF 625MWF 625MWF 150MWF 150MWF	95 M 10 P 95 M 10 P 95 M 10 P 325 MOR 38 250 MOR 38	30/150 30/150 30/150 35/125 110MN	30MA 30MA 30MA 1MA 1MA	TVM TVH TVE TIG FRH	WIT WIT WITA ITA	BF258 BF259 BF167		0 0 0 0
BF304 BF305 BF306 BF308 BF309	NS NS NS	T072 T05 T072 T072 T072	L51 L04 L51 L51 L51	40 V 180 V 40 V 40 V 40 V	30 V 150 V 25 V 35 V 35 V	4 V 5 V 4 V 4 V	50MA 50MA 25MA 50MA 50MA	175C 200C 175C 175C 175C	150MWF 600MWF 175MWF 150MWF 150MWF	250MOR25 50M 3P5 500MOP23 800MOP25 800MOP25	35/12C 20MN 38MN 40MN 75MN	1 MA 30 MA 7 MA 1 MA 1 MA	FRM TVM TIA ULA ULA	SGI ATI ATI SGI SGI	BF173 BFY90	2N2857 2N2857	0 0 0
BF310 BF311 BF314 BF320 BF321A	NS NS NS FE NS	X10 X10 X10	L20 L19 L20 L17	30 V 35 V 30 V	30V 25V 30V 20V	4 V 4 V 4 V	25MA 40MA 25MA 30MA	150C 140C 150C	300MWF 350MWF 300MWF	275M 1P6 375M 0R7 225M0R26	28MN 40MN 29MN 60/100	4MA 15MA 4MA	TIA TIA FVG FET FRH	SID TFK TFK TIB SES	BF173 BF200		0 0 0 0
8F3218 8F321C 8F321D 8F321E 8F321F	NS NS NS NS	T0106 T0106 T0106 T0106 T0106	L17 L17 L17	30V 30V 30V 30V	20V 20V 20V 20V 20V	5 V 5 V 5 V 5 V	30MA 30MA 30MA 30MA 30MA	125C 125C 125C	300MWF 300MWF 300MWF 300MWF 300MWF		85/135 110MN 145MN 190MN 250MN	1 M A 1 M A 1 M A 1 M A 1 M A	ERH FRH FRH FRH FRH	SES SES	BF200 BF200 BF200 BF200 BF200	•	0000
BF322 BF323 BF324 BF325 BF329	NS PS PS NS	TC39 T039 X10 X10 X09	L04 L04 L20 L20 L11	30V 30V 30V 50V 40V	25V 25V 30V 40V 30V	3V 3V 4V 4V	600MA 600MW 25MA 50MA 50MA	175C 175C 150C 150C 150C	400 MWF 400 MWF 250 MWF 250 MWF 250 MWF	150M 12P 150M 12P 350M 0P1 350M0R58 365M0R32	30MN 30MN 25/160 25MN 35MN	10MA 10MA 4MA 9MA 1MA	RLG RLG FVG FVG TIG	TIB	1	2N2 21 9A 2N2 90 5A	0000
BF330 BF332 BF3328 BF333 BF333C	NS NS NS NS	X09 X09 X09 X09 X09	L11 L11 L11 L11 L11	40V 30V 30V 30V 30V	25V 20V 20V 20V 20V	4V 5V 5V 5V	25 MA 30 MA 30 MA 30 MA 30 MA		250MWF 250MWF 250MWF 250MWF 250MWF	500M0R46 300M 1R7 300M 1R7 200M 1R7 200M 1R7	38MN 66/220 105MN 36/120 69/120	7MA 1MA 1MA 1MA 1MA	FRH	ATI ATI ATI ATI	BF184 BF184 BF185		0 0 0
BF333C BF334 BF335 BF336 BF337	NS NS NS NS	X09	L11 L11 L11 L04 L04	185V	20V 30V 30V 180V 225V	5 V 4 V 4 V 5 V	30MA 25MA 25MA 100MA	125C 200C	250MWF 250MWF 250MWF 800MWF 800MWF		65/220		FRH FRM TVH	VAL MUB	BF185 BF184 BF185 BFR258 BF259	2N4927 2N4927	0 0 0 0
BF 338 BF 339 BF 344 BF 345 EF 346	NS PS NS NS FE	X10 T018 T018	L04 L19 L57 L57	25V 30V	200 V 18 V 20 V 20 V	4 V 4 V 4 V	100MA 25MA 50MA 50MA	175C	80CMWF 250MWF 150MWF 150MWF	250M 1R7	ŧ	30MA 2MA 1MA 1MA		T1D ATI	BF258 BF184 BF185	2N4927	00000
BF347-48 BF350 BF351 EF352 EF353	FE FE FE									·			FET FET FET FET	TIE			0 0 0 0
BF354 BF357 BF357K BF366 BF367	FE NS NS NS	X10 T092 T092	L20 L01 L14 L13	30V 30V	15V 15V 30V 30V	3V 3V 3V 4V			200MWF 200MWF 31 CMWF 31 0MWF	1200M 1R7 400M	20MN 15MN	5MA 5MA 3MA 4MA	TUG FVG	TIW MOB	BF200	2N2857 2N2857	00000
BF368 BF368K BF369 BF369K BF371	NS NS NS NS	T092 T092 T092	L21 L16 L21 L16 L13	30 V 30 V	15V 15V 20V 20V 30V	4V 4V 4V 4V	50MA 50MA 50MA 50MA 100MA	135C 135C 135C	310MWF 310MWF 310MWF 310MWF 310MWF	250MOR18 400MOR18 400MOR18	25/125 70/220 70/220	1 M A 1 M A 1 M A 7 M A	FVG FVG	MOR MOR MOR	BF200 BF200 BF200		00000
BF373 BF377 BF378 BF375 BF380	NS NS NS PS	X10 X10 X10	L 16 L 20 L 19 L 20 L 35	30V 30V 40V	30V 15V 15V 25V 180V	2V5 2V5	100MA 25MA 25MA 25MA 25MA	150C 150C 150C	500MWF 30CMWF 30CMWF 30CMWF	500M 1R2 500M 0R9 260M0R33	25MN 25MN	1 MA	TUO	TFK TFK	BF183 BF183		0 0 0 0
BF381 BF382 BF384 BF385 BF387	NS NS NS	X17 X10 X10	L35 L35 L19 L19 L04	300V 30V 30V	20V 20V	8 V 5 V 5 V	3 CMA		1 WF 1 WF 250 M WF 250 M WF 600 M WF	60M 400M 1R5 400M 1R5	34/140	1 MA	TVE	MOB TIC	BF259 BF184 BF185		0 0 0 0
BF 388 BF 289B BF 389C BF 390 BF 394	NS NS NS	T05	L C4		120v	5 V 5 V 5 V	100MA	200C 200C 200C 200C 125C	600MWF 600MWF 600MWF 600MWF 310MWF	60M 3R5 60M 3R5 60M 3P5	20MN 20MN 20MN	2 CM A 20 M A 20 M A	TVE	AT I	BF258		0 0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	•	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
EF394A BF394B BF394C BF395 BF395C	NS NS	1092 1092 1092 1092 1092	L16 L16 L16 L16 L16	30V 30V 30V 30V 30V	30V 30V 30V 30V 30V	4 V 4 V 4 V 4 V	50MA 50MA 50MA 50MA 50MA	125C 125C 125C	310MWF 310MWF 310MWF 310MWF 310MWF	80M 80M	2R2 2R2 2R2 2R2 2R2 2R2	180MN 100MN 65MN 35MN 65MN	1MA 1MA	FRH FRH FRH FRM FRH	MOB MOB	BF184 BF184 BF184 BF185 BF184		00000
BF3950 BF411 BF412 BF413 BF414	NS NS NS	1092 X10 X10 X10 X10	L16 L20 L20 L20 L20	30V 40V	30V 90V 130V 170V 30V	4V	50MA 50MA 50MA	125C 150C 150C 150C 150C	31CMWF 300MWF 30CMWF 300MWF 300MWF		2R2	35MN 30MN 30MN 30MN 30MN	1MA 10MA 10MA 10MA 1MA		MOB TEK TEK TEK TEK	8F185		0 0 0 0
8F440 8F441 8F45C 8F451 8F456	PS PS PS PS NS	X10 X10 X10 X10 X10 T0126	L 19 L 19 L 19 L 19 L 19 L 19	40V 40V 40V 40V 160V	40V 40V 40V 40V 160V	4V 4V 4V 5V		150C 150C 125C 125C 150C	300MWF 300MWF 150MWF 150MWF 7WC	125 M 125 M 325 M 325 M 65 M	OR8 OR7	60/220 30/125 60MN 30MN 40MN	1MA 1MA 1MA 1MA 30MA	TIG TIA	I TB	BF167 BF173 BD232		0 0 0 0
8F457 8F458 8F459 BF497 BF523	NS NS NS NS	10126 10126 10126 10106 X10	L69	250V	160V 250V 300V 25V 45V	5 V 5 V 5 V 4 V 8 V	100MA 100MA 100MA 50MA 50MA	150C 150C 150C 125C 150C	1 2WC 1 2WC 1 2WC 200MWF 6 25 MWF	45 M 45 M 45 M 500 M 100 M	5P 5P 5P 0R7 4P	25MN 25MN 25MN 40MN 600MN	3 CMA 3 GMA 3 GMA 7 MA 1 GMA	ALE TIA	TFK TFK SGI	BD232 BD232		0 0 0 0
BF576 BF594 BF595 BF596 BF597	PS NS NS NS	1092 1092 1092 1092 1092	L21 L58 L58 L58 L58	20V 30V 30V 40V 40V	15V 20V 20V 30V 25	5 V 5 V 4 V 4 V	5 CMA 3 OMA 3 OMA 3 OMA 3 OMA	150C 150C 150C 150C 150C	200 MWF 250 MWF 250 MWF 360 MWF 360 MWF	130M 200M	1R2 0R4	30MN 65/220 35/125 26MN 38MN	1 M A 4 M A	FRH FRM	118 118 118	BF185		0 0 0 0
EF & CC - C2 BF 80 5 - O6 EF & O8 BF 810 - 11 BF 815 - 18	FE FE FE													FET FET FET FET	T18 T18			0 0 0 0
8FR12 8FR16 8FR17 8FR18 8FR19	NS NS NS NS	T018 T018 T018	L01 L01 L01 L01 L04	60V 60V 85V 75V	30V 60V 60V 55V 35V	8V 8V 7V 7V	300MA 100MA 100MA 500MA	200C 200C 200C	1WC 360MWF 360MWF 500MWF 800MWF	70 M 70 M 60 M	6 P 6 P 20 P	450MN	1MA 1MA 150MA 500MA	AL A AMG	SG I SG I SG I	BC109 BC109C BSX33	2N930 2N930 2N731 2N2297	0 0 0
8FR20 8FR21 8FR22 8FR23 8FR24	NS NS PS	T039	L04 L04 L04 L04 L04	120V 90V	35V 70V 65V 65V 40V	7V 7V 7V 7V 7V	1 A 1 A 1 A 1 A 1 A	200C 200C 200C 200C 200C	800MWF 800MWF 80CMWF 80CMWF 800MWF	60 N	20 P 1 5 P 30 P	40MN 40MN 40MN	150 MA 150 MA 150 MA 150 MA 150 MA	AM S AM H AM H	SGI ATI ATI	BFY65 BSW66 BFR23	2N2297 2N1990 2N4001 2N4036 2N4036	0000
BFR25 BFR29 BFR35 BFR40 BFR41			LC1 L21 L31 L31	90V 70V	120V 80V 60V 50V		2A		375MWF 800MWF 800MWF 800MWF	100M	l	20MN 50MN 75MN 100MN	20MA 10CMA 10CMA 100MA	AMP AMP	MUB		2N4390	0 0 0
8FR44 8FR50 8FR51 8FR52 8FR56	NS NS NS	TC92 T092 T092	L 54 L 54 L 54 L C 4	60V 40V	35 V 30 V 20 V 40 V		2A 2A 2A 1200MA	125C	80CMWF 800MWF 800MWF 1 WF	50N	•	30MN 40MN 60MN 30MN	150MA 150MA 150MA	AM (	T 18	BFY51 BFY50 BFY50 BFY51	2N 2297 2N 2297 2N 2297 2N 2297 2N 2297	0
BFR6C BFR61 BFR62 BFR79 BFR8C	P 5 P 5 P 5	1092 1092 1092	L 54 L 54 L 54 L 21 L 21	70 V 40 V 90 V	80 V 50 V 20 V 80 V 50 V		2A 2A 2A 2A 2A	125C 125C 125C	80 C M W F 80 O M W F 80 O M W F 80 C M W F	50M 50M	4	30MN 40MN 60MN 50MN 75MN	150MA 150MA 150MA 100MA	AMC AMC	STIESTIES	3		0 0 0 0
8FR81 BFR86 BFR87 BFR88 BFR89	PS NS NS	1092 1092 1092	L21 L21 L21 L21 L21	120V 160V 250V			200MA 200MA 200MA	125C 125C 125C 125C 125C	EOOMWE BOOMWE BOOMWE BOOMWE	130 130 130	4 4 2R2 4 2R2 4 2R2 4 2R2	2 20MN 2 20MN	100MA 30MA 30MA 30MA 30MA	AME	E T18	3 3		0 0 0 0
8FR42 8FR93 8FR94 8FS17 8FS17R	NS NS	X12 X27 X12	L27 L27 L64 L29	18V 35V 25V	151	2 2 2 2	500MA 25MA	150C 150C 200C 125C 125C	180MWF 180MWF 5W 150MWF 150MWF	2500   3   1	<b>4</b> G	25MN 25MN 25MN 25/150 25/150	30M/ 150M/ 2M/		A MUE P MUI A MUI	B BFR92 B BFS88	NIL NIL NIL	0 0 0
8FS18 8FS18R 8FS19 8FS19R 8FS20	7 2 2 2 7	5 X12 5 X12 5 X12	L29 L29 L29 L29	30V 30V 30V	20\ 20\ 20\	5V 5V 5V 5V	30MA 30MA 30MA	125C 125C 125C 125C 125C 125C	150MWI 1M 150MWI 150MWI 150MWI	A 200 F 260 F 260		35/125 65/225 65/225	1M/ 1M/ 1M/ 1M/ 7M/	A VL	A MUI A MU A MU	B BFS20F B BFS20F B BFS20F B BFS20F B BFS20F	NIL NIL NIL	0 0
8FS20R 8FS21 8FS21A 8FS28 8FS36	N: F: F:	E E	L2"				25M	125C	150MW		M4GG M 8		7 M.	A VL FE FE A AL	T MU T MU T MU	B B	NIL NIL	0
BFS36A BFS37 BFS37A BFS38 BFS38A	N P P N	S X12 S X12	L2 L2 L2 L2 L2	7 45V 7 30V 7 45V	45 30 35	V 5V V 5V V 5V	500M 500M 500M	175C 175C 175C 175C 175C	350MW	H 30 H 30 H 150	M 8 M 5	P 100MN P 100MN	100U	A AL A AL A AM	N FE N FE G FE	B BFS37	NIL NIL NIL NIL NIL	0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		DB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
BF 539 BF 540 BF 540A BF 541 BF 542	NS PS PS PS	X12 X12 X12	L27 L27 L27 L27 L27	60V 45V 25V 45V 60V	45 V 35 V 25 V 45 V 30 V	5 V 5 V 5 V 5 V 5 V	500MA 500MA 500MA 500MA	175C 175C 175C 175C 175C	350MWH 350MWH 350MWH 350MWH 350MWF	150M 150M 150M 150M 60M	5P 5P 5P 5P 25 P	40/120 100MN 50/300 40/120 40/120	10MA 10MA 10MA 10MA 150MA	AMG AMG AMG AMG RMG	FEB FEB	BFS38 BFS40 BFS40 BFS40 BFS43	NIL NIL NIL NIL	0 0 0 0
BF S43 BF S44 BF S45 BF S46 BF S46A	NS PS PS NS	X12 X12 X12	L27 L27 L27 L27 L27	60V 60V 30V 30V	60 V 30 V 60 V 15 V 15 V	5 V 5 V 5 V 3 V 3 V	1A 1A 1A 500MA 500MA	175C 175C 175C 175C 175C	350MWF 350MWF 350MWF 350MWH 350MWH	60M 60M 400 4000 4000	25P 25P 1P7	60/200 40/120 60/200 20MN 20MN	150MA 150MA 150MA 3MA 3MA	RMG RMG RMG VLA VLA	FEB FEB	BF S43 BF S45 BF S45 BF S46 BF S46	N1 L N1 L N1 L N1 L N1 L	0 0 0 0
BFS50 BFS51 BFS59 BFS60 BFS61	NS NS NS NS		L04 L04 L23 L23 L23	36 V 40 V 60 V 60 V 80 V	18V 20V 30V 40V 60V	3V5 4V 5V 5V 5V	400MA 750MA 1A 1A 1A	200C 200C 125C 125C 125C	2750MWC 5WC 500MWF 500MWF 500MWF	150M	15P 15P 15P	10MN 15MN 40/300 100MN 40/160	120 MA 500 MA 150 MA 150 MA 150 MA	UMP VHP AMG AMG	TFK FEB FEB	BC387 BC387 BC387	2N4401 2N4401 2N4401	0 0 0 0
8FS62 BFS85 BFS88 BFS92 BFS93	PS PS PS	X12 X12 T05	L51 L27 L27 L04 L04	40V 25V 30V 100V 100V	25V 12V 15V 60V 60V	4V 2V 2V 6V	25MA 500MA 500MA 1A 1A	175C 175C 200C	200MWF 350MWH 350MWH 800MWF 800MWF	16	1P9 1P9 20P 20P	35MN 25/150 25/150 30MN 70MN	7MA 2MA 2MA 150MA 150MA	VLA ULA ULA AMH AMH	FEB FEB	BF\$88 BF\$88	NIL NIL 2N4929 2N4929	0 0 0 0
BFS94 BFS95 BFS96 BFS97 BFS98	PS PS PS PS	T05 X11 X11	L04 L04 L23 L23 L23	80V 80V 60V 60V 80V	40V 40V 30V 30V 60V	6V 6V 5V 5V	1 A 1 A 1 A 1 A	200C 125C 125C	800MWF 800MWF 500MWF 500MWF	150M	20 P 20 P 15 P 15 P 15 P	40MN 70MN 40/300 100MN 40/160	150MA 150MA 150MA 150MA 150MA	AMG AMG AMG AMG AMH	MUB FEB FEB	BFS95 BFS95 BC388 BC388 BC388	2N4036 2N4036 2N4403 2N4403 2N4403	0 0 0
8FS99 BFT39 BFT40 BFT41 BFT47	NS NS NS NS	T039 T039 T039	L01 L04 L04 L04 L04	120V 90V 70V 60V	90V 80V 60V 50V 160V	5V 5V 5V 5V	100MA 1A 1A	200C 200C	300MWF 800MWF 800MWF 800MWF 5WC	100M 100M		20MN 50MN 75MN 100MN 25MN	20MA 100MA 100MA 100MA 30MA	ALH RMG RMG RMG TVM	TIB TIB TIB	BSW54 BSW54	2N4390 2N2219/ 2N2219/ 2N2219/	4 0
BFT48 BFT49 BFT60 BFT61 BFT62	NS NS PS PS	TC39 TC39 TO39	L04 LC4 LC4 L04 L04	80V 60V 40V	250 V 300 V 35 V 30 V 20 V		1A 1 A	20 OC	5 WC 5 WC 800 MWF 800 MWF 800 MWF	50M 50M 60M 60M	8P 8P 8P	25 MN 25 M N 50 M N 40 M N 60 M N	30MA 30MA 150MA 150MA 150MA	TVE	SEU TIB TIB	BFS95 BFS95	2N4036 2N4036 2N4036	0 0 0 0
BFT79 BFT80 BFT81 BFV90A BFV90B	PS PS PS NS	T039 T039 T05	L04 L04 L04 L04 L04	90 V 70 V 60 V 70 V 70 V	80V 60V 50V 50V	5V 5V	1A 800MA 1A		800MWF 800MWF 800MWF 800MWF 1WF	100M 100M 300M	10P 10P 10P 10P	50MN 75MN 100MN 100MN 40MN	100MA 100MA 100MA 150MA	R M G R M G V M G	T 18 T 18 T 18	BFS93 BFS95 BSW54	2N4037 2N4037 2N4036 2N2219 2N2219	
BFW1C BFW11 BFW16A BFW17A BFW20	NS	T05	L04 L04 LC1	40V	25V 25V 60V	ĺ	300MA 300MA 100MA	200C	1500MWC 150CMWC 360MWF	550₩	6P	25MN 25MN 100MN	150MA 150MA 1MA	VMP	MUB MUB		2N3965	0 0 0 0
BFW21 BFW22 BFW23 BFW24 BFW25		1018	L01 L01 L01 L04	1000	80V 45V 60V 60V 40V	6V 6V 7V	100MA 100MA 100MA 1A	200C 200C 200C	360MWF 360MWF 360MW 800MWF 800MWF	50 M 50 M 60 M	6P 6P 6P 25P	100MN 250MN 250MN 40MN 100MN	1	ALN ALN AMG	TIB TIB MCU	BCY70 BCY70 BFX85	2N3965 2N3965 2N3965 2N1893 2N2297	0 0 0
8FW26 8FW3C BFW31 BFW32 BFW33	NS NS PS NS	T072 T018 T018	L04 L06 L01 L01	20 V 50 V 50 V	40V 10V 30V 30V 80V	5 V 5 V	1 A 100MA 700MA 700MA 500MA	200C 150C 150C	800 MWF 25 CMWF 50 OMWF 50 OMWF 80 OMWF	800	25P 12P 12P 15P	25MN	150 MA 5 MA 100 MA 100 MA	AMG	MUB TIB	B SW24 B SW24	2N2297 2N2907 2N2907 2N1893	<b>A</b> 0
BFW34 BFW35 BFW43 BFW44 BFW54-56	NS NS PS PS	TC39 TC18 TO39	L04 L04 L01 L04	50V 150V	30 v 30 v 150 v 150 v	6 V	200MA 200MA 100MA	200C	600MWF 600MWF 400MWF 700MWF	70M 60M	10P 10P 7P 7P	80MN 40MN	6 MA 6 M A 1 O M A	AMA ALF	LIT TIB SGI		2N2297 2N2297 2N4357 2N4358	0
BFW57 BFW58 BFW59 BFW60 BFW61	NS NS NS FE	X09 X09 X09	L10 L10 L10	80 V 40 V	60 V 60 V 35 V 35 V	6 V 6 V	1 A	125C 125C 125C 125C	300MWF 300MWF 300MWF 300MWF	80M	12P 12P 12P 12P	50MN 80MN	1 COMA 1 COMA 10 OMA 100 MA	AMS	MUB MUB	BFW57 BFW57		0 0 0
BFW80 BFW87 BFW88 BFW89 BFW90	NS PS PS	X09 X09 X09	L 0 4 L 1 0 L 1 0 L 1 0	60V 60V 40V	30 V 60 V 60 V 40 V	5 V 5 V 5 V	500MA 500MA	150C 125C 125C 125C 125C	600MWF 300MWF 300MWF 300MWF 300MWF	100M 100M 100M	12P 12P	80MN 40MN 80MN	6MA 150MA 150MA 150MA	AMS AMS	MUB MUB MUB	BFW87 BFW87 BFX87	2N2297	0 0 0 0
BFW91 BFW97 BFX12 BFX13 BFX17	PS NS PS PS	X11 TO18	L10 L23 L01 L01 L04	30V 20V 20V	20V 15V 15V 15V 40V	3 V 5 V 5 V	50MA	125C 125C 200C 175C 200C	300MWF 250MWF 300MWF 300MWF 800MWF	600M 150M 150M	1P 7 8 P 6 P	20MN 20MN 40/200	150MA 3MA 10MA 10MA	VLA ALA RLS	FEB TIB	BFX73	2N918 2N3965 2N2907 2N2219	A O
BFX29 BFX30 BFX33 BFX34 BFX34T		105		65V	30V	3V5 6V	600MA 400MA 5A	200C 200C 200C 200C 200C 200C	600MWF 600MWF 2850MW0 870MWF 5W0	100M 480M 70M	12 P 2R 5 1 COP	50MN 25MN	2.4	RM:	MUE	BFX29	2N2905 2N2905	

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ıss
BFX35 BFX37 BFX38 BFX39 BFX40		TC18 TO18 TO39 TO39 TO39	LC1 L01 LC4 L04 L04	20V 60V 55V 55V 75V	15V 60V 55V 55V 75V	5 V 5 V 5 V 5 V	100MA 50MA 1A 1A	200C 200C 200C 200C 200C	30 CMW F 36 0MW F 80 0MW F 80 0MW F 80 0MW F	150M 40M 100M 100M 100M	8P 20P 20P 20P	50MN 70/300 85MN 40MN 85MN	1 CMA 1 OUA 1 OO MA 1 OO MA 1 OO MA	ALN ALN RMG RMG RMG	MOU MUB TIB TIB SGI	BCY71 BFS95 BFS95 BFS93	2N3965 2N4036 2N4036 2N4037	0 0 0 0
8FX41 8FX5C 8FX51 8FX52 8FX65	PS NS NS NS PS	T039 T018 T018 T018	L04 L01 L01 L01 LC1	75 V 80 V 60 V 40 V 45 V	75V 35V 30V 20V 45V	5 V 6 V 6 V 6 V	1A 1A 1A 1A 50MA	200C 200C 200C 200C 175C	800MWF 600MWF 600MWF 600MWF 36CMWF	100M 60M 50M 60M 40M	20P 12P 12P 12P 6P5	40MN 30M 40MN 60MN 100MN	100MA 150MA 150MA 150MA 1MA	RMG AMG AMG AMG ALN	RTC RTC		2N4037 2N731 2N731 2N731 2N731 2N3965	0 0 0 0
BFX68A BFX69 BFX69A BFX73	N N N N N N N N N N N N N N N N N N N	T039 T039 T039 T039 T072	L04 L04 L04 L04 L06	75V 80V 75V 80V 30V	30V 40V 30V 40V 15V	7 V 7 V 7 V 7 V 3 V	1 A 1A 1A 1 A 5 OMA	200C 200C 200C 200C 200C	800MWF 800MWF 800MWF 800MWF 200MWF	70M 70M 60M 60M	25P 20P 25P 20P 2P	100MN 100MN 40MN 40MN 20MN	150MA 150MA 150MA 150MA 3MA	AMG AMG AMG AMG VLA		BFY51 BFY51 BFY51 BFY51 BFX73	2N2297 2N2297 2N2297 2N2297 2N2297 2N918	0 0 0 0
BFX74 BFX74A BFX84 BFX85 BFX86	PS PS NS NS	T039 T039 T05 T05 T05	L04 L04 L04 L04 L04	50V 60V 100V 100V 40V	35V 60V 60V 60V 35V	5 V 5 V 6 V 6 V	600MA 600MA 1A 1A	200C 200C 200C 200C 200C	600MWF 800MWF 800MWF 800MWF 800MWF	60M 100M 50M 50M 50M	45P 20P 12P 12P 12P	30MN 30MN 30MN 70MN 70MN	1 1	AMG RMG AMG AMH AMG	TIB TIB MUB MUB MUB		2N4036 2N2905A 2N2297 2N4001 2N2297	0 0 0
8FX87 8FX88 8FX89 8FX90 8FX92	PS PS NS PS	T05 T05 T072 T018 T018	LC4 LO4 LO6 LC1 LC1	50V 40V 30V 180V 50V	50V 40V 15V 180V 45V	5V 5V 6 V 6 V	600MA 600MA 50MA	200C 200C 200C 200C 175C	600MWF 600MWF 200MWF 400MWF 300MWF	100 M	12P 12P 7P 8P	40 MN 40 MN 25/150 80 MN 40 MN	10 MA 10 MA 2 MA 10 MA 10 UA	AMG AMG ULA ALH ALN	MUB MUB MUB SGI TIB	BFX30 BFX30 BC285 BC109	2N2905A 2N2905A 2N1990R 2N930	00000
8FX94 8FX95 8FX96 8FX97 8FY18	NS NS NS NS	T018 T018 T05 T05 T018	LC1 LC1 LC4 LC4 LC1	60V 60V 60V 60V	30V 30V 30V 30V 40V	5V 5V 5V 5V 3V	800MA 800MA 800MA 800MA 100MA	1750 1750 1750 1750 1750	50CMWF 500MWF 800MWF 800MWF 300MWF	250 N 250 N 250 M 250 M 200 M	8P 8P 8P 8P 7P	40MN 100MN 40MN 100MN 30MN	150MA 150MA 150MA 150MA 150MA	AMG AMG RMS RMS RLG	TIE TIE TIE TIE TIE	BSW64 BSW64 BSW54 BSW54 BSW64	2N2222A 2N2222A 2N2219A 2N2219A 2N2222A	0 0 0
BFY19 BFY34 BFY37 BFY39 BFY40	NS NS NS NS	T018 T039 T018 T018 T05	LC1 LC1 LC1 LC1 LC4	30 V 75 V 25 V 45 V 60 V	20 V 50 V 20 V 25 V 30 V	5V 7V 5V 5V 7V	10CMA 1A 10CMA 100MA 80CMA	175C 200C 175C 175C 200C	300MWF 800MWF 300MWF 300MWF 800MWF	300M 60M 200M 100M 40M	7 P 25 P 4 P 8 P 20 P	50 MN 40 MN 35 MN 35 MN 50 MN	10MA 150MA 10MA 10MA 50MA	RLG AMG RLG ALG AMG	ATI ITB ITB	BSW64 BFY51 BSW64 BC107 BFY51	2N2222A 2N2297 2N2222A 2N929 2N2297	0 0 0
BFY45 BFY50 BFY50E BFY51 BFY52	NS NS NS NS	T039 T05 T05 T05	L C 4 L O 4 L O 4 L O 4 L C 4	140V 80V 80V 60V 40V	90V 35V 40V 30V 20V	5 V 6 V 6 V 6 V	30MA 1A 1A 1A	200C 200C 200C 200C 200C	70CMWF 800MWF 800MWF 800MWF 80CMWF	100M 60M 60M 50 50	3P5 12P 12P 12P 12P	40MN 30MN 44MN 40MN 60MN	1 CMA 15 CMA 15 OMA 15 OMA 15 CMA	ALH AMG AMG AMG AMG	SID MUB RTC MUB MUB	1	2N1990 2N1893 2N2297 2N2297 2N2297	0 0 0 0
BFY53 BFY55 BFY56 BFY56A BFY64	NS NS NS NS	TC5 TO5 TO39 TO39 TO5	L G 4 L G 4 L G 4 L G 4 L G 4	40 V 80 V 80 V 80 V 40 V	20V 35V 55V 45V 4CV	6 V 7 V 7 V 7 V 5 V	1 A 1 A 1 A 1 A		800MWF 800MWF 800MWF 800MWF 70CMWF	40M 50M	12P 25P 25P	30MN 40MN 30MN 40MN 80MN	150MA	AMG AMG	SGI	8FY51 8FY51 8FY51 8FY51 BFX29	2N2297 2N2297 2N2297 2N2297 2N2297 2N2905A	00000
BFY65 BFY67 BFY68 BFY74 BFY75	NS NS NS NS	T039 T039 T039 T018 T018	LC4 LO4 LC4 LC1 LC1	100V 75V 75V 60V 60V	80 v 30 v 30 v 45 v 45 v	7 V 7 V 7 V 5 V 5 V	100MA 500MA 500MA 100MA	200C 200C 200C	565MWF 800MWF 800MWF 360MWF	60 M 70 M 250 M	25P 4P	50MN 40MN 100MN 40MN 65MN	10 MA 150 MA 150 MA 10 MA 10 MA	AMG AMG ALG	TFK VAL VAL SGI SGI	8FY51 8FY51 8SW64	2N199C 2N2297 2N2297 2N2222A 2N2222A	
8FY76 8FY77 8FY80 8FY85-86 8FY88	NS NS NS		LC1 LC1 LC1	45V 45V 100V 40V	45V 45V 80V 25V	7٧	100MA	200C 200C 175C	360MWF 360MWF 865MWH		8 P	140MN 200MN 30MN 40MN	1 MA 1 MA 2 MA 5 MA	ALH DUA		8C109 8C394	2N930 2N930 2N4390	0 0 0 0
8FY90 BLX13 BLX65 BLX66 BLX67	NS NS NS NS	TC5 X27	LC6 L65 LC4 L64 L64	30V 65V 36V 36V 36V	15V 36V 1EV 1EV 18V		20MA 6A 2A 2A 2A	175C 200C 150C 150C 150C	200MWF 70WC 3WC 4WC 4500MWC	250M 700M 700M		25/150 10/120 10MN 10MN 10MN	2MA 1A 10CMA 10CMA 10CMA	R HP UHP UHP	MUB MUB MUB		2N2857	0 0 0
BLX65 BLX91 BLX92 BLX93 BLX94	NS NS NS NS	X27 X27 X27	L65 L64 L64 L64 L65	65V 65V	18V 33V 33V 33V 36V		1CA 800MA 2A 3A 6A	200C 200C 200C	5 C W C 4 W C 6 W C 1 2 W C 5 C W C	600M 600M		30TP 10MN 10MN 10MN 10/100	1A 1COMA 1CCMA 1OOMA 1A	UMP UHP UHP	MUB MUB			0 0 0
81417 81433 81434 81447 81447	NS NS NS NS	T05 T05 T03	L13 L04 L04 L05 L43	66V 40V 100V	50V 33V 20V 75V 75V		1CA 150CMA 1500MA 3A	150C 150C	100WC 5WC 5WC 40WC 40WC	250M 250M	  - <u> </u>	5/25 10MN 10MN 30/100 30/100	10A 20CMA 200MA 1A	VMP	MUB MUB TIB			0 0 0
BLY48 BLY48A BLY49 BLY49A BLY50	NS NS NS NS	T066 T03 T066	L43	100V 100V 250V 250V 250V	75V 75V 150V 150V 150V		3A 3A 3A 3A	200C	40 WC 4 C W C 4 C W C 40 W C 40 W C	15M	! !	60/200 60/200 30/100 30/100 60/200	1 A 1 A 1 A 1 A	RHH	T18			0 0 0
81 Y50A BL Y53A BL Y83 BL Y84 Bl Y85		X27	L43 L64 L64 L64	36V 66V 40V	150 v 18 v 33 v 20 v 20 v		3 A 4 A 7 5 O O M A 7 5 O O M A 3 A	150C 150C	40W0 8W0 12W0 12W0	650M	1	60/200 10MN 10/220 10MN 10MN	1 A 500 M A 1 A 1 A 20 G M A	UHP VHP	MUB MUB MUB			0 0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
BLY89A BLY93A BLY97 BLY98 BSS10	NS NS NS NS	X28 X28 X27 X27 T018	L65 L65 L64 L64 L64	36V 65V 66V 60V 40V	18V 36V 33V 33V	6٧	1 CA 9A 3A 3 A 500MA	200C 200C 150C 150C 175C	70WC 70WC 1 CWG 8WC 300MWF	325 M 250 M 250 M 400 M 600 M	3P5	10/120 10/120 10MN 10MN 40/150	1A 1A 200MA 500MA 10MA	VHP VHP VHP UHP RMG	MUB MUB MUB SG I	BSW64	2N2 22 2A	0 0 0 0
85511 85512 85513 85514 85515	NS NS NS NS	T018 T018 T039 T05 T039	L01 L01 L04 L04 L04	40V 30V 60V 75V 100V	15V 12V 35V 50V 75V	4V 5V 5V 5V 7V	500MA 200MA 2A 2A 2A	175C 175C 200C 200C 200C	360MWF 360MWF 1WF 1WF	500M 400M 250M 250M 50M	4 P 3 P 9 P	40/120 30/120 15MN 25MN 30/130	10MA 10MA 1A 1A 500MA	ULS VLS UMS UMS AMH	SG I	BSX20 BSX20 BSS27 BSS27 BSS42	2N2369 2N2369 2N5262 2N5262 2N5320	0 0 0 0
85516 85517 85518 85523 85526	NS PS PS NS	T039 T039 T039 T018 T018	L04 L04 L04 L01 L01	75V 100V 75V 45V 60V	50 V 75 V 50 V 40 V 40 V	5 V 7 V 5 V 6 V 6 V	2A 2A 2A 1A 1A	200C 200C 200C 200C 200C	1WF 1WF 1WF 500MWF 360MWF	50M 50M 50M 100M 300M	10P 12P	40/250 30/130 40/250 30MN 25MN	500MA 500MA 500MN 500MA 500MA	AMS	ATI ATI ATI TFK SGI	BSS42 BSS18 BSX33 BSX33	2N 5320 2N 4929 2N 5 323 2N 731 2N 731	0000
BSS27 BSS28 BSS29 BSS30 BSS31	NS NS NS	T05 T05 T05 T039 T039	L04 L04 L04 L04 L04	70 V 50 V 50 V 100 V 100 V	45V 30V 30V 60V 60V	5 V 5 V 5 V 7 V 7 V	1A 1A 1A 500MA 600MA	200C 200C 200C 200C 200C	80CMWH 800MWH 800MWH 80CMWF 800MWF	300M 300M 300M 50M 60M	12P 12P 12P 19P 15P	25MN 30MN 20MN 40/120 100MN	500MA 500MA 500MA 150MA 150MA	VMS VMS AMH	MUB MUB MUB SGI ATI	BSX59 BSS27 BSS27 BSW66 BF156	2N3444 2N5262 2N5262 2N4001 2N1990	0 0 0 0
BSS32 BSS34 BSS35 BSS38 BSS40	NS NS NS NS	T039 T092 T092 X10 T018	L04 L21 L21 L2C L01	100V 120V	80 v 80 v 100 v 80 v 40 v	7V 5V	500MA 200MA 200MA 250MA 1A	200C 125C 125C 150C 200C	800MWF 625MWF 625MWF 300MWF 360MWF	50M 90P 90P 60P 200M	8 P 8 P	4G/120 50MN 45MN 20MN 25MN	150MA 10MA 10MA 1MA 500MA	AMH AMH AMS	ATI TIB TIB MUB RTC	BSX21 BSX33	2N4001 2N1990R 2N731	0 0 0 0
BSS41 BSS42 BSS43 BSS44 BSS48	NS NS NS PS NS	T018 T039 T039 T039 T039	L01 L04 L04 L04 L04	60V	30V 120V 150V 60V 250V	5	1A 1500MA 1500MA 5A 1A	200C 200C 200C 200C 200C	360MWF 1 WF 1 WF 80CMWF 890MWF	200M	1 C P	25MN 50MN 40MN 40MN 40MN	500 MA 1A 1A 2A 70 MA	AMH RMH AHG	RTC TFK TFK TFK	BSS42 BSS42	2N731 2N5320 2N5320	0 0 0 0
BSS49 BSS50 BSS51 BSS52 BSS68	NS NS NS NS PS	T039 T05 T05 T05 X10	L04 L04 L04 L04 L20	į.	350V 45V 60V 80V 100V	6 V	1 A 1 A 1 O O M A	200C 200C 200C 200C 150C	890MWF 5%C 5%C 5WC 300MWF	50M	5P	65TP 1500MN 1500MN 1500MN 30MN	150 MA 50 0 MA 50 0 MA 50 C MA 25 MA	AMD AMD	TFK MUE MUB MUB	BSV68	2N3497	0 0 0
85V15 85V15/6 85V15/10 85V15/16 85V16	PS PS PS PS	T039 T039 T039 T039 T039	L04 LC4 LC4 LC4 LO4	40V 40V 40V 40V 60V	40V 40V 40V 40V 60V	5V 5V 5V 5V	1 A 1 A 1 A 1 A	200C	800MWF 80CMWF 800MWF 800MWF 800MWF	50M 50M 50M 50M 50M	30P 30P 30P 30P 30P	40MN 40MN 63MN 100MN 40MN	1 CO MA 1 CO MA 1 CO MA 1 O O MA	AMG AMG AMG	TEK TEK TEK TEK	BFS93 BFS93 BFS93	2N4036 2N4037 2N4037 2N4037 2N4036	0 0 0
BSV16/6 BSV16/10 BSV16/16 BSV17 BSV17/6	PS PS PS PS	T039	L04 L04 L04 L04	60V 80V	400 400 400 408 408	5 V 5 V 5 V 5 V 5 V	1A 1 A	200C 200C 200C 200C 200C	80CMWF 800MWF 800MWF 800MWF 800MWF	50M	30P 30P	40MN 63MN 100MN 40MN 40MN	1 COMA 1 COMA 10 OMA 10 OMA 10 OMA	AMG AMG AMH	TFK TFK	BFS93 BFS93	2N4037 2N4037 2N4037 2N4929 2N4037	0 0 0
BSV17/1C BSV23 BSV24 BSV25 BSV26	PS NS NS NS	T039 X11 X11 X11 X11	L04 L23 L23 L23 L23	80 V 20 V 20 V 30 V 40 V	80V 20V 15V 12V 15V	5 V 3 V 5 V 5 V 5 V	1A 200MA 200MA 200MA 200MA	125C 125C 125C	80 CMWF 300 MWF 300 MWF 30 CMWF 30 CMWF	200M 400M	30P 6P 6P 4P 4P	63MN 20MN 50/200 40MN 40/120	1	KF2 KF2	FEB FEB	8SX2C	2N4037 2N2369 2N2369 2N2369 2N2369	0 0 0
BSV27 BSV28 BSV29 BSV33 BSV35	NS NS NS PS NS	X11 X11 X11 X11 X11 X12	L23 L23 L23 L23 L27		15V 100V 120V 12V 15V	5 V 5 V 5 V 4 V 5 V	200MA 100MA 100MA 200MA 500MA	125C 125C 125C	300MWF 300MWF 300MWF 300MWF 350MWH	50M 50# 400P	4P 10P 10P 6P 4P	30MN 30MN 40/150	2MA 3CMA	ALH ALH VLS	FEB FEB	BSX21	2N 2369 2N 1990R 2N 1990R 2N 3546 N1L	
BSV35A BSV36 BSV37 BSV40 BSV41	NS NS PS NS	X12 X12	L27 L27 L27 LC1 LC1	25 V 15 V 12 V 40 V 40 V	12v 6v 12v 20v 20v	5V 4V 4V 5V 5 v	500MA 500MA 500MA 100MA 100MA	175C 175C 175C	350MWH 350MWH 350MWH 360MWF 360MWF	600M 400M 300M	10P	20MN 30/150 40/150 40/120 100MN		VLS VLS RLG	FEB FEB ITB	BSV35A BSV35 BSV37 BSW64 BSW64	N1L 2N2222A 2N2222A	
8SV42 BSV43A BSV43B BSV44A BSV44B	PS PS PS PS		L04 L04 L04 L04 L04	70V 60V 60V 60V 60V	70V 60V 60V 40V 40V	5V 5V 5V 5V	500MA 500MA 500MA 500MA 500MA	20 0C 20 0C 20 0C	600MWF 60CMWF 600MWF 600MWF	100 M 100 M 100 M	12P 12P 12P	40/120 100MN	150MA 150MA 150MA 150MA 150MA	AMG AMG AMG	ITB ITB	BFS95 BFS95	2N4036 2N4036 2N4036 2N4036 2N4036	0 0 0
BSV45A BSV45B BSV46 BSV47A BSV47B	PS PS PS PS		L04 L04 L01 L01 L01	30V 30V 70V 60V 60V	30V 30V 70V 60V 60V	5V 5V 5V 5V	500MA 500MA 500MA 500MA 500MA	200C 200C 200C	600MWF 600MWF 400MWF 400MWF	100M 100M 100M	12P 12P 12P	100MN	150MA 150MA 150MA 150MA 150MA	AMG AMG AMG	118 118 118		2N4036 2N4036 2N2907A 2N2907A 2N2907A	0
BSV48A BSV48B BSV49A BSV49E BSV52	PS PS PS PS	T018 T018 T018 T018 X12	L01 L01 L01 L01 L29	60V 60V 30V 30V 20V	60V 60V 30V 30V 12V	5 V 5 V 5 V 5 V	500MA 500MA 500MA 500MA 500MA	200C 200C	400MWF 400MWF 400MWF 400MWF 150MWF	100M 100M 100M	12P 12P 12P	100MN	150MA 150MA 150MA 150MA 10MA	AMG AMG AMG	IT8	BSW24 BSW24 BSW24	2N2907A 2N2907A 2N2907A 2N2907A N1L	0
BSV52R BSV57 BSV60 BSV64 BSV68	NS UJ NS NS PS		L27 L04 L04 L01	20V 45V 100V 110V	12v 40v 60v 100v	5 V 5 V 5 V 6 V	3A 5 A	125C 200C 200C 150C	15 CM WF 800 MWF 87 CM WF 25 CM WF	50 50 M	4P 75P 5P	50/150 40MN	1 CMA 2 A 2 A 2 5 MA	AHG AHG	TEK TEK MUB		N1L 2N4877 2N4877 2N3497	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	I C MAX	T J MAX	P TOT	T	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
BSV69 BSV77 BSV78-79 BSV80 BSV81	NS FE FE	T039 T05	L04 L04	40 V 40 V	40V 40V		A1 AMOO8	200C 200C	800MWF 800MWF	100 M	10P 9P	30MN 30MN	500MA 500MA	RMS RMS FET FET FET	TFK SGI MUB MUB MUB	BSS14 BSW54	2N3735 2N2219A	0 0 0 0 0
ESV82 BSV83 BSV84 BSV85 BSW19	PS PS NS NS PS	T039 T039 T039 T018 T018	L05 L05 L04 L01 L01	9ÇV 90V 120V 50V 35V	80V 80V 70V 30V 30V	5V 5V 7V 5V	1A 1A 1A 1A 10CMA	175C 175C 175C 175C 175C	80 CM WF 80 CM WF 80 CM WF 37 5 M WF 30 CM WF	60 M 60 M 60 M 100 M 150 M	20 P 20 P	15MN 30MN 40MN 55MN 40MN	500 MA 150 MA 150 MA 150 MA 10 MA	APS AMS AMH AMG ALG	ITA	BFS93 BFS293 BFX85 BSX33 BC Y70	2N4037 2N4037 2N1893 2N731 2N3965	00000
BSh15A BSh20 BSw20A BSh21 BSh21A	PS PS PS PS	T018 X10 X10 T018 T018	L01 L20 L20 L01 L01	35 V 35 V 35 V 25 V 50 V	30V 30V 30V 25V 50V	5V 5V 5V 5V	100MA 100MA 100MA 200MA 200MA	175C 150C 150C 175C 175C	30CMWF 280MWF 280MWF 300MWF 30CMWF	150M 150M 150M 150M	7 P 7 P 7 P 8 P 8 P	100MN 40/120 10/300 75MN 75MN	10MA 2MA	ALG RLS RLS RLS RLS	TFK TFK MOB	BCY70 BSX20 BSX20 BCY70 BCY70	2N3965 2N2369 2N2369 2N3965 2N3965	00000
8 S h 2 2 8 S h 2 2 A 8 S h 2 3 8 S h 2 5 8 S h 2 5	PS PS	T018 T018 T039 T018 T018	L 01 L 01 L 05 L 01 L 01	25 V 50 V 60 V 60 V 12 V	25V 50V 40V 40V 12V	5 V 5 V 5 V 5 V	200MA 200MA 600MA 600MA 200MA	175C 175C 200C 200C 200C	30 CMWF 30 CMWF 600MWF 400MWF 36 CMWF	150M 150M 200M 200M 800M	8 P 8 P 8 P 8 P 5 P	180MN 180MN 40MN 40MN 40MN	2MA 2MA 150MA 150MA 30MA	RMG	MIS SGI TIB	BCY70 BCY70 BSX29 BSW24 BSW25	2N3965 2N3965 2N2905A 2N2907A 2N3546	1 1
85W26 85W27 85W28 85W29 85W36	NS NS NS NS PS	T018 T039 T039 T039	LC1 LO4 LO4 LO4 LO4	50V 60V 60V 40V 32V	40V 50V 50V 30V 32V	4 V 4 V 4 V 4 V	1A 1A 1A 1A 500MA	200C 200C 200C 200C 200C	500MWF 800MWF 800MWF 800MWF 800MWF		10P 10P 10P	20MN 20MN 20MN 20MN 50MN	500MA 100MA 100MA 100MA 50MA	RMS	118 118	85X33 BSW54 BSW54 BSW54 BFX29	2N731 2N2219A 2N2219A 2N2219A 2N2905A	0
BSW39 BSW40 BSW41 BSW42 BSW42A	NS PS NS NS	T039 T039 T018 T0106 T0106		100V 100V 40V 25V 50V	80V 80V 25V 25V 50V	7V 7V 5V 5V 7V	1 A 1A 300MA 200MA 200MA	200C 200C 200C 125C 125C	790MWF 790MWF 1WH 300MWF 300MWF	50M 50M 250M 150M		40MN 40MN 20MN 75/225 75/225	100 MA 100 MA 50 MA 2 MA 2 MA	AMH VLS ALG ALG	VAL SEU SEU	BSW64 BC207 BC207	2N4001 2N4929 2N2222A 2N4966 2N4966	0
85W428 B5W43 B5W43A B5W43B B5W44	NS NS NS PS	T0106 T0106 T0106 T0106	L 17 L 17 L 17	60V 25V 50V 60V 25V	60 v 25 v 50 v 60 v 25 v	7V 5V 7V 7V 5V	200MA 200MA 200MA 200MA 200MA	125C 125C	300MWF 300MWF 300MWF 300MWF 300MWF	150M 150M 150M 150M	8P 8P 8P 8P	75/225 180MN 180MN 180MN 75/225	2MA 2MA 2MA 2MA 2MA	ALN ALN ALN ALG	SEU SEU SEU SEU	BC207 BC209 BC209 BC209 BC204	2N4966 2N4967 2N4967 2N4967 2N4249	0 0 0 0
BSW45A BSW45 BSW45A BSW49 BSW51	PS PS PS NS	T0106 T0106 T0106 T05 T039	L 17	50V 25V 50V 40V 60V	50V 25V 50V 40V 30V	5V 5V 5V 5V 5V	200MA 200MA 200MA 1A 800MA	125C 125C 150C 175C	300MWF 300MWF 30CMWF 600MWF 800MWF	150 M 150 M 150 M 200 M 250 M	8P	75/225 180MN 180MN 16MN 40MN	2MA 2MA 2MA 500MA 150MA		SEU SEU LTT VAL	BC204 BC206 BC206 BSW24 BSW54	2N4249 2N4250 2N4250 2N2219A 2N2219A	0
25 N 5 2 8 S N 5 3 8 S N 5 4 8 S N 6 1 8 S N 6 2	NS NS NS NS	T018	L04 L04 L04 L01 L01	60V 75V 75V 60V 60V	30V 40V 40V 30V 30V	5V 6V 6V 5V 5V	800MA 800MA 800MA 800MA	175C 175C 175C	800MWF 800MWF 800MWF 500MWF 500MWF	250 M 250M 250M 250 M	8 P 8 P	100 MN 40 MN 100 MN 40 MN 100 MN	150 MA	RMG RMG RMS RMS	VAL VAL MOB MCB	BSW54 BSW54 BSW54 BSW64 BSW64	2N2219A 2N2219A 2N2219A 2N2221A 2N2221A	0 0 0
85 N 63 85 W 64 85 W 65 85 W 66 85 W 67	NS NS NS NS	T018	LC1 LC4 LC4 LC4		40V 40V 80V 100V 120V	6V 6V 6V 6V	14		50CMWF 500MWF 800MWF 800MWF 80CMWF	300M 40M 60M 40M	8P 35P 35P 35P	40 MN 100 MN 30 MN 30 MN 30 MN		R MS AMH AMH AMH	MUB MUB MUB	BSW64 BSW64 BSW66 BSW66 BSW66	2N2221A 2N2221A 2N4001 2N4001 2N3440	0 0 0
BSW68 BSW72 BSW73 BSW74 BSW75	NS PS PS PS	T018	L04 L01 L01 L01	150V 40V 40V 75V 75V	150V 25V 25V 40V 40V	6 V 5 V 5 V 5 V 5 V	1A 500MA 500MA 500MA 500MA	200C 200C	80CMWF 400MWF 400MWF 400MWF 40CMWF	150M 150M 150M	8P 8P 8P	30MN 40MN 100MN 40MN 100MN	150MA 150MA	RMS RMS RMS	178 178 178 178	BSW24 BSW24 BSW24 BSW24	2N3440 2N2906A 2N2906A 2N2906A 2N2906A	0 0
85W82 85W83 85W84 85W85 85W88	NS NS NS NS	T018 T018 T018	LC1 LC1 LC1 LC1 L21	40V 40V 75V 75V 35V	25V 25V 45V 45V 30V	5 V 5 V 5 V 5 V	500MA 500MA 500MA 500MA	175C 175C 175C 175C	500MWF 500MWF 500MWF 500MWF 300MWF	200M 200M 200M 200M	8P 8P 8P 5P	40MN 100MN 40MN 100MN 75MN	150 MA 150 MA 150 MA 50 MA	RMS RMS RMS RLS	ITB ITB ITB TFK	BSW24 BSW24 BSW24 BSW24	2N2906A 2N2906A 2N2906A 2N2906A	0 0
BSW88A BSW88B BSW89 BSW89A BSW89B	NS NS NS NS	T092 X10	L21 L20 L20 L20 L20	35V 35V 35V 35V 35V	30V 30V 30V 30V		100MA 100MA 100MA 100MA	150C 150C 150C 150C	300MWF 300MWF 300MWF 300MWF 300MWF	200 M 200 M 200 M 200 M	5 P 5 P 5 P	100MN 250MN 75MN 100MN 250MN	10MA 10MA 50MA 10MA	RLS RLS RLS RLS	TFK TFK TFK			0 0 0 0
ESX12 BSX12A ESX19 BSX20 BSX21	NS NS NS NS	T039 T018 T018	L04 L04 L01 L01 L01	25V 25V 40V 40V 120V	12V 15V 15V 15V 80V	5 V 5 V	1A 1A 500MA 500MA 50MA	200C 200C 200C 175C	600MWF 600MWF 360MWF 360MWF 300MWF	450N 400N 500M 60M	15P 4P 4P 9P	40MN 20MN	300MA 10MA 10MA 4MA	VL S UL S UL S AL H	MUB TIB TIB MUB	BSX12 BSX12 BSX20 BSX20 BC394	2N3303 2N3303 2N2369 2N2369 2N4390	0 0 0 0
BS x 2 2 BS x 2 3 BS x 2 4 BS x 2 5 BS x 2 6	NS NS NS NS	T039 T018 T018 T018	L04 L04 L01 L01		32V 65V 32V 25V 15V	5V 5V 5V 4V	1500MA 1500MA 100MA 300MA 200MA	175C 200C 200C	80CMWF 800MWF 30CMWF 360MWF	150M 50M 350M	30 P 7 P 1 25 P 1 5 P	30MN 30MN 30MN	5MA 30MA	AMS ALS ALS ULS	ITB ITB ITB TIB	BFY51 BFY51 BC107 BSX33 BSX20	2N2297 2N2297 A157A 2N731 2N2369	0 0 0 0
ESX27 BSX28 BSX29 BSX33 BSX36	PS NS	T018	L01 L01 LC1 L01	70V	6V 12V 12V 40V 40V	4 V 7 V	100MA 100MA 200MA 1A 500MA	200C 200C 200C	300MWF 360MWF 360MWF 500MWF 360MWF	400M	4 4 P	25MN 30MN 30MN 40MN 40MN	1 0MA 3 0MA 150MA	VLS VLS AMS	TIB TIB SGI	BSX20 BSX20 BSX25 BSX33 BSW64	2N2369 2N2369 2N3546 2N731 2N2221	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	I C MAX	T J XAM	P TOT	F <sub>T</sub> C	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
BSX38A BSX38B BSX39 BSX40 BSX41	NS NS NS PS	TC18 TO18 TO18 TO35 TO39	L01 L01 L01 L04 L04	30 V 30 V 45 V 30 V 30 V	30 V 30 V 20 V 30 V 30 V	5 V 5 V 5 V 5 V	100MA 10CMA 300MA 500MA 500MA	200C 200C 200C 175C 175C	345MWF 345MWF 360MWF 80CMWF 800MWF	200M 200M 350M 100M	5P 5P 5P 10P	100MN 250MN 40MN 40/120 100MN	1 CMA 1 OMA 3 OMA 1 5 CMA 1 5 OMA	RLS RLS VLS AMG AMG	TEK TEK SGI ITB ITB	BSW64 BSW64 BSX20 BFX29 BFX29	2N2221A 2N2221A 2N2369 2N2905A 2N2905A	0 0 0 0
BSX44 BSX45 BSX45/6 BSX45/10 BSX45/16	NS NS NS NS	T018 T039 T039 T039 T039	LC1 LC4 LC4 LC4 LC4	15 V 40 V 40 V 40 V 40 V	6V 40V 40V 40V 40V	4 V 7 V 7 V 7 V 7 V	200MA 1A 1A 1A	200C 200C 200C 200C 200C	300MWF 800MWF 800MWF 800MWF 800MWF	600M 50M 50M 50M 50M	25P	30MN 40MN 40MN 63MN 100MN	20 M A 100 M A 100 M A 100 M A 100 M A	VMS AMG AMG AMG AMG	MLB TFK TFK TFK TFK	BSX20 BFX85 BFY51 BFY51 BFY51	2N2369 2N2297 2N2297 2N2297 2N2297	0 0 0 0 0
BSX46/6 BSX46/10 BSX46/16 BSX47	NS NS NS NS	T039 T039	L04 L04 L04 L04 L04	60V V06 V06 V08	60v 60v 60v 60v	7V 7V 7V 7V 7V	1 A 1 A 1 A 1 A	200C 200C 200C 200C 200C	800MWF 800MWF 800MWF 800WF 800WF	50M 50N 50N 50M 50M	20 P 20 P	40MN 40MN 63MN 100MN 40MN	100 MA 100 MA 100 MA 100 MA	AMG AMG AMG AMG	TFK TFK TFK TFK SID	BFX85 BFX85 BFX85 BFX85 BFX85	2N2 297 2N1893 2N1893 2N1893 2N1893	00000
BSX47/6 BSX47/10 BSX48 BSX49 BSX51	NS NS NS NS	T039	L04 L04 L01 L01 L01	80V 80V 60V 50V 25V	80V 80V 25V 40V 25V	7V 7V 5V 5V	1A 1A 600MA 600MA 200MA	200C 200C 200C 200C 175C	800MWF 800MWF 1WH 1WH 300MWF	50M 50M 250M 250M 150M	15P 15P 6P 6P 8P	40MN 63MN 17MN 25MN 75/225	100MA 100MA 100MA 100MA 2MA	AMG AMG RMS VMS RLS	SID SID SID SID MIS	BFX85 BFX85 BSW64 BSX59 BSW04	2N1893 2N1893 2N22214 2N3444 2N22214	00000
BSX51A BSX51B BSX52 BSX52A BSX52B	NS NS NS NS	T018 T018 T018 T018	LC1 LC1 LC1 LC1	50 V 60 V 25 V 50 V 60 V	50V 60V 25V 50V 60V	7V 7v 5v 7v 7V	200MA 200MA 200MA 200MA 200MA	175C 175C 175C 175C 175C	300MWF 300MWF 300MWF 300MWF 300MWF	150M 150M 150M 150M	8 P 8 P 8 P 8 P	75/225 75/225 180MN 180MN 180MN	2MA 2MA 2MA 2MA 2MA	RLS RLS RLS RLS	MIS SEU MIS MIS SEU	BSW64 BSW64 BSW64 BSW64 BSW64	2N2221A 2N2221A 2N2221A 2N2221A 2N2221A	0 0
BSX53A BSX53B BSX54A BSX54B BSX54B	NS NS NS NS	T018 T018 T018 T018 T039	LC1 LC1 LC1 LC1 LO4	30 V 30 V 50 V 50 V 70 V	30 V 30 V 45 V 45 V 45 V	5 V 5 V 5 V 5 V	100MA 100MA 100MA 100MA	1750 1750 1750 1750 2000	13 CMWF 130MW 130MWF 130MWF 800MWF	200M 200M 200M 200M 250M	5P 5P 5P 5P 10P	100MN 250MN 100MN 250MN 25MN	10MA 10MA 10MA 10MA 500MA	RLS	TFK TFK TFK MUB	BSW64 BSW64 BSW64 BSW64 BSX59	2N2221A 2N2221A 2N2221A 2N2221A 2N3444	0
BSX6C BSX61 BSX72 ESX75 BSX79	NS NS NS NS	T039 T039 T05 T018 T018	L04 L04 L04 LC1 LC1	70 V 70 V 40 V 40 V	30 v 45 v 25 v 25 v 45 v	5 v 5 v 5 v 5 v	1A 1A 80CMA 1COMA	2000 2000 1750 1750 2000	800MWF 800MWF 700MWF 430MWF 345MWF	250M 250M 100M 100M 200M	10P 10P 10P 10P 10P	25 MN 25 MN 40 MN 40 MN 50 MN	500MA 500MA 150MA 150MA 50MA	VMS VMS VMS RMS RLS	MUB TEK TEK TEK	BSX59 BSX59 BSW54 BSX33	2N 3725 2N 3725 2N 221 9A 2N 731	0 0 0 0
BSX79A BSX79B BSX87 BSX87A BSX88	NS NS NS NS	TC18 TO18 TC18 TC18	FC1 FC1 FC1 FC1	40V 40V 40V	45V 45V 15V 15V 15V	5 v 5 v 5 v 5 v	100MA 100MA 500MA 500MA 500MA	200C 200C 200C 200C 200C	345MWF 345MWF 360MWF 360MWF 360MWF	200M 200M 300M 350M 300M	5P 5P 6P 5P	100MN 250MN 30MN 25MN 30MN	1 CMA 10 MA 10 MA 1 CCMA 1 OMA	RLS RLS VLS VMS VMS	TFK TFK SGI SGI	8\$X20 8\$X20 8\$X20	2N2 369 2N2 369 2N2 369	0 0 0 0 0
85 x 88 A 85 x 39 85 x 90 85 x 91 85 x 92	1 2	TC18 TO18 TC18 TC18	L01 L01 L01 LC1	40V 25V 20V 20V 40V	20v 15v 12v 12v 15v	5 V 5 V 5 V 4 V	500MA 500MA 200MA 200MA 500MA	200C 200C	360MWF 300MWF 300MWF 300MWF 360MWF	350M 200M 300M 300M 400M	5P 5P 5P 5P 4P	35MN 20MN 20MN 40MN 20MN	100 MA 10 MA 10 MA 10 MA	VLS RLS RLS	SG I	BSX20 BSX20 BSX20 BSX20 BSX20	2N2 369 2N2369 2N2369 2N2 369 2N2 369	0 0 0 0
85X93 85X95 85X96 85Y10 85Y11	NS NS	T018 T05 T05 T039 T039	L01 L04 L04 L04 L04	40V 75V 75V 60V 45V	15V 30V 30V 60V 45V	4V 7V 7V 5V	500MA 500MA 500MA 800MA 800MA	200C 200C 200C	360MWF 800MWF 800MWF 800MWF 800MWF	500M 100M 100M 200M 200M	4P 25P 25P 3P 8P	40MN 40MN 100MN 45MN 60MN	10 MA 15 CMA 15 CMA 1 CMA 10 MA	AMS AMS RMC	SGI VAL VAL TIF	BSX20 BFX97 BFX97 BSW54 BSW54	2N2369 2N2219A 2N2219A 2N2219A 2N2219A	0
85Y17 85Y18 85Y15 85Y20 85Y21	NS NS NS	T018 T018 T018 T018 T018	L01 L01 L01	20V 20V 40V 25V 40V	12V 12V 15V 15V 15V	5 V 5 V 5 V 5 V	200MA 200MA 200MA 50MA 500MA	200C 200C 175C	1 h H 1 W H 36 CM h F 30 OM W 36 OM W F	280M 280M 300M 200M 200M	5 P 5 P 6 P 5 P 6 P	20MN 40MN 30MN 20MN 30MN	10 MA 1 G MA 1 G MA 10 MA 10 MA	VLS VLS VLS	VAL MOB	BSX20 BSX20 BSX20	2N2369 2N2369 2N2369 2N2369 2N2369	0 0 0
85Y22 85Y23 85Y27 85Y34 85Y38	NS NS	T018 T018 T018 T039 T018	L01 L01 L04 L01	45V 40V 20V 60V 20V	25 v 15 v 15 v 40 v 15 v	5 V 5 V 6 V 60 5 V	200MA 200MA 100MA CMA 100MA	175C 200C	36CMWF 300MWF 300MWF 800MWF 300MWF	200M 300M 200M 250M 300M	6 P 4 P 6 P 6 P 5 P	40MN 25MN 40MN 10MN 30MN	1 MA 1 GMA 1 CMA 500 MA 10 MA	RLS VLS VMS	MCB 1TB SID MUB	BSX59	2N 2369 2N 2369 2N 2369 2N 3725 2N 2369	0 0 0 0
BSY38A BSY39 BSY39A BSY40 BSY41	NS NS PS	T018 T018 T018 T018 T018	L01 L01 L01 L01	20 V 20 V 20 V 25 V 25 V	15V 15V 15V 20V 20V	5 V 5 V 5 V 5 V	100MA 100MA 100MA 100MA 100MA	175C 175C 200C	300MWF 300MWF 300MWF 3WMOOE 3WMOOE	300M 300M 300M 140M 140M	5P 5P 5P 7P 7P	30MN 40MN 40MN 25MN 50MN	1 CMA 1 OMA 1 OMA 1 OMA 1 CMA	VLS VLS RLS			2N2369 2N2369 2N2369 2N3965 2N3965	0 0 0 0
BSY44 BSY45 BSY46 BSY51 BSY52	NS NS	T039 T039 T039 T039 T039	L04 L04 L04 L04 L04	75V 120V 80V 60V	50 V 80 V 50 V 25 V 25 V	7 v 7 v 8 v 5 v	1A 1A 1A 500MA 500MA	200C 200C 200C 200C 200C	800MWF 800MWF 800MWF 800MW 800MW	50M		40 MN 40 MN 40 MN 40 MN 100 MN	150MA 150MA 150MA 150MA 150MA	RMS RMS AMG	TIF TIF TIF SGI SGI		2N1893 2N1893 2N1893 2N2297 2N2219A	0 0 0 0
85 Y 53 85 Y 54 85 Y 55 85 Y 56 85 Y 58	NS NS NS NS	1039 1039 1039 1039 1039	L04 L04 L04 L04 L04	75 V 75 V 120 V 120 V 50 V	30 V 30 V 80 V 80 V 25 V	5V 7V 7V 7V 5V	750MA 750MA 500MA 500MA 600MA		EOOMWE 80CMWE 80CMWE 80CMWE 80CMWE	100M 145M 100M 145M 250M	10P 10P	40MN 100MN 40MN 100MN 17MN	150MA 150MA 150MA 150MA 100MA	RMS RMS RMS	SGI SGI	85W54 85W54 85W66 85W66 85X59	2N2219A 2N2219A 2N1893 2N1893 2N3725	0 0 0 0
BSY59 BSY62 BSY63 BSY7C BSY71	NS NS	X09 T018 T018 T018 T039	L1C L01 L01 L01 L04	30V 25 V 40V 25 V 75 V	30 v 15 v 15 v 20 v 50 v	5V 5V 5V 3V 7V	800MA 200MA 200MA 300MA	20 OC	280MWF 1 kH 1 WH 300MWF 800MWF	300 N 200M	18P 5P 6P 6P 25P	60MN 20MN 30MN 20MN 100MN		RLS RLS RLS	SID MOB	BFX20 BFX20 BSX20	N1 L 2N2 369 2N 2369 2N2 369 2N1893	0 0 0 0

TRANSISTOR NUMBER	PM OA LT		LEAD INFO		VCE MAX	VEB MAX	I C MAX	T J MAX	P TOT	F C T OB MIN MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
BSY72 BSY73 BSY74 BSY75 BSY76	NS NS NS NS	TC18 TC18 TC18 TC18	LC1 LC1 LC1 LC1	25 V 25 V 25 V 40 V 40 V	18V 18V 18V 32V 32V	5 V	30MA 100MA 100MA 250MA 250MA	200C 200C	200 MWF 200 MWF 200 MWF 300 MWF 300 MWF	145M 6 170M 6	P 35MN P 80MN P 35/100	1 M A 1 M A 1 M A 1 M A	ALS ALS ALG	TIB TIB ITB	BC 107 BC 107 BC 107	A157A A157A A157A A157 A157	0 0 0 0
8SY77 8SY78 8SY79 8SY80 8SY81	NS NS NS NS	TO18 TO18 TO18 TO18 TO39	LC1 LC1 LC1 LC1	80V 80V 12CV 25V 40V	64V 64V 18V 18V	7 V 7 V 5 V 5 V 5 V	250 MA 250 MA 30 MA 100 MA	175C 175C 175C 175C 200C	300MWF 300MWF 300MWF 300MWF 900MWF	75M 8 90M 10 100M 6 100M 12 100M 15	P 80/250 P 30MN P 200MN	1 M A 1 M A 1 M A 1 M A 1 5 C M A	ALG ALG ALH ALN AMS	ITB RTC ITB	BC107 BC107 BC394 BC109 BFY51	A157 A157 2N4390 2N930 2N2297	0 0 0 0
85782 85783 85784 85785 85786	NS NS NS NS	T039 T039 T039 T039	L04 L04 L04 L04 L04	40V 80V 80V 120V 120V	18V 35V 35V 64V 64V	5 V 7 V 7 V 7 V	1 A 1 A 1 A 1 A	200C 200C 200C 200C 200C	900MWF 900MWF 900MWF 900MWF 900MW	120M 150 100M 150 120M 150 110M 150 130M 150	P 40MN P 100MN P 40MN	150 MA 150 MA 150 MA 150 MA 150 MA	AMS AMS AMS AMS AMS	118 118 118 119 119	BFY51 BFY50 BFY50 BSW66 BSW66	2N2297 2N2297 2N2297 2N2297 2N1893 2N1893	0 0 0 0
85787 85788 85789 95790 85791	NS NS NS NS	T039 T039 T018 T039 T039	LC4 LO4 LC1 LO4 LC4	100V 120V 25 V 60 V 40 V	60V 60V 18V 25V 25V	7V 7V 7V 5V 5V	500MA 500MA 100MA 500MA 300MA	200C 200C 175C 200C 200C	800MWF 800MWF 300MWF 800MWF 800MWF	100 M 100 145 M 100 40M 150 170M 100 50M 250	100MN 150MN 250MN	150 MA 150 MA 5 MA 150 MA	AMS AMS ALS AMS ALG	ITE ITB ITB ITB ITE	85W66 85W66 8C107- 8SW54 8FY51	2N1893 2N1893 A157A 2N2219A 2N2297	00000
85Y92 85Y93 85Y95 85Y95A 2U103A	NS NS NS NS	T035 T018 T018 T018 T066	L04 L01 L01 L01 L43	6CV 60V 20V 20V	40v 40v 15v 15v	5V 5V 5 V 5 V 8 V	300MA 300MA 200MA 200MA 500MA	2000 2000 1750 1750 2000	80CMWF 360MWF 300MWF 300MWF 3ChC	50N 251 50N 251 200M 8F 200M 6F 100N 50F	60MN 50MN 50MN	10MA 10MA 10MA 10MA 500MA	ALG ALS RLS VLS VHH	TEK TEK MUB MUB SEU	BFY51 BC137 BSX20 BSX20 BU103A	2N2297 AL57A 2N2369 2N2369	0 0 0 0
EU104 BU105 BU106 BU107 BU108	NS NS NS NS	103 103 103 103	L 05 L 05 L 05	40 C V 500 V 325 V 300 V 500 V	140v 120v	V 8 V 8	7A 2500MA 40A 10A 7500MA	2000 1150 1500 1500 1150	85 NC 1 OWC 5 OWC 5 OWC 1 2 NC	5 M 3 M 10 M 10 M 3 M	10/50 2TP 8MN 5MN 4TP	5A 2A 4A 7A 4A	TL+ TLE TLM TLM TLM	SEU MUB TIB TIB TIB			0 0 0
81109 8U112 8U113 8U125 8U126	NS NS NS NS	T03 T03 T03 T05	LC5 LC5 LC4 LC5	33CV 550V 700V 130V 75CV	60V 300V	10v 10v 10v 5v	7A 10A 10A 5A 6A	200C 200C 1500 200C 125C	85WC 60WC 63WC 800MWF 30WC	5M 3M400F 3M40CF 100M 4N	1	5 A 6 A 8 A 5 A 1 A	TLF TLE TLE AHH RHS	SEU SEU SEU SGI MUB	BUY47		0 0 0 0
EU129 BU131 BU132 EU134 BU204	NS NS NS NS	TC3 TO3 TO3 TO3 TC3	LC5 LC5 LC5 LC5	800V	250V 600V 350V 600V	1 C V 6 V 5 V	5A 15A 1A 3A	150C 200C 115C	63WC 40WC 15WC 85WC 10WC	5M330F 5M 4N 10M 4M	20MN 5MN 25/125 30/120 2MN	3 A 5 A 2 5 O M A 5 A 2 A	TLH TLM AME RHS TLE	SEU MUB MUR SEU MUB	BCY28		00000
BL205 BU206 BU207 BL208 BU209	NS	T03 T03 T03 T03	L051 L051 L051	1500V 1700V .300V .500V			3A 3A 7500MA 7500MA 6A		1 CWC 10 W C 1 2 W C 1 2 W C 1 2 W C	4M 4N 3M 3N 3M		2A 2A 4500MA 450CMA 3A	TLE	MUB			0 0 0 0
BUY20 BUY21 BUY22 BUY23 BUY23A	NS NS	T03 T03 T03 T03 T03	L C 5 L C 5 L C 5	45CV 600V	120V 180V 230V 250V 300V		1CA 1CA 1OA	2000 2000 2000 2000 2000	85WC 85WC 85WC 100WC	2 M 2 M 2 N 2 M 2 M		3A 3A 3A 2500MA 2500MA	RHE AHE	TIE TIE TIE TIE TIE	·		0 0 0 0
EUY23E BUY38 BUY4C BUY41 EUY47	NS NS	T03 T066 T059 T05 T039	L04	70CV 90V 100V 125V 150V	400v 55v 80v 80v 120v	7V 6V	34	200C 200C 200C 200C 200C	100WC 25WC 30WC 15WC 7WC	2 M 400 K 40 M 90 M	20/200 20/250 40/240 40/300 40MN	2500MA 100MA 100MA 100MA	AHG AHH RHH	ATI TIB TIB	BUY38	2N3054	00000
BUY48 BUY51 BUY51A BUY52 BUY52A	NS NS NS	TC39 T061 TC3 T061 T03	L C 4 L 46 L C 5 L 46 L C 5	20 C V 60 V 60 V 60 V 60 V	170v 60v 60v 60v 60v	6V	30A 30A 30A	2000 2000 2000 2000 2000 2000	7 N C 1 5 C W C 1 5 C W C 1 5 C W C 1 5 C N C	90M 10M 10M 10M	40 MN 20/150 20/150 20/150 20/150		RHG RHG RHG	SGI TIB TIB TIB TIB	BUY47		0 0 0 0
BLY53 BUY53A BLY54 BUY54A BUY60	NS NS	T061 TC3	L 05 L 46 L 05	1 CO V		6V	30A 30A 30A	200C 200C 200C 200C 200C 200C	150WC 150WC 150WC 150WC 10WC	10M 10M 10M 10M	20/150 20/150 20/150 20/150 20/N	1 C A 10 A 15 A 15 A 10 MA	RHH RHG RHG	TIB TIB TIB TIB	BUY60	2N3439	0 0 0 0
BLY69A BUY69B BUY69C BUY70A BUY7CB	N S N S N S N S N S	T03 T03 T03	L05 L05 L051	CCOV 800V 500V 00CV 80CV			10A 10A 10A	200C 200C 200C 200C 200C	100WC 100WC 100WC 75WC 75WC	2M 2M 2N 2N 2N	15MN	250 CMA 2500 MA	AHE	T18 T18 T18 T18			0 0 0 0
BUY70C BUY71 BUY83 CV SERIES		T03 T066 SEE A	PPEN	DIX E	140V	£ 1.	1 C A 3 A	200C 200C 200C	75WC 40WC 25WC	2M	15MN 25/100	500 MA	RMS	TIB			0 0
EN718A	NS NS NS	T0105 T0106 T0106 T0106 T0106 T0106	L17 L17 L17 L17	25V 40V 60V 75V 50V	30 V 15 V 15 V 28 V 40 V 35 V	5 V 3 V 5 V 5 V 7 V 5 V	500MA 200MA 500MA 500MA 500MA	125C 125C 125C 125C		50M 35P 60M 25P	20MN 30/120 40/120 40/120		RLS RLS AMG AMG	FCU FCU FCU FCU	BSX20 BSX20 BC387 BC387	2N2297 2N2369A 2N2369 2N4401 2N4401 2N5819	0 0 0 0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ıss
EN744 EN870 EN871 EN914 EN915	NS NS NS NS	T0106 T0106 T0106 T0106 T0106	L17 L17 L17		12V 60V 60V 15V 50V	5 V 7 V 7 V 5 V	200MA 500MA 500MA 100MA	125C 125C	20CMWF 220MWF 220MWF 200MWF 200MWF	280 P 50 M 60 M 300 P 250 M	5P 20P 20P 6P 3P5	40/120 40/120 100MN 30/120 50/200	150MA 150MA 10MA	AMH AMH RLS	FCU FCU FC L	BSX20 BSW66 BSW66 BSX20 BC207	2N2369 2N1893 2N1893 2N2369 2N4966	0 0 0 0
EN916 EN918 EN930 EN956 EN1132	NS NS NS	T0106 T0106 T0106 T0106 T0105	L17 L17 L17	45V 30V 45V 75V 50V	25V 15V 45V 40V 35V	5 V 3 V 5 V 7 V 5 V	100MA 50MA 30MA 500MA 500MA	125C 125C 125C	200MWF 200MWF 200MWF 220MWF 300MWF	300M 600M 30M 70P 60M	6P 3P 8P 25P 45P	50/200 20MN 100MN 100MN 30/90	3MA 10UA 150MA	VLA ALN AMG	FCU FCU	B SW64 BF X73 BC 239 BC 338 BF S95	2N2222A 2N918 2N5827 2N5818 2N4036	0 0 0 0
EN1613 EN1711 EN2219 EN2222 EN2369A	NS NS NS NS	T0105 T0105 T0106	L04 L04 L17	75V 75V 60V 60V 40V	50 v 50 v 30 v 30 v 15 v	7 V 7 V 5 V 5 V 4 V	600MA 600MA 800MA 800MA 500MA	125C 125C 125C	300MWF 300MWF 350MWF 200MWF 200MWF	60M 70M 250M 250M 500M	25P 25P 8P 8P 4P	40/120 100MN 100MN 100MN 40MN	150MA 150MA 150MA	AMG RMG RMG	FCU FCU	8FY50 BFY50 BSW54 BSW64 BSX20	2N2297 2N2297 2N2219A 2N2222A 2N2369	
EN2484 EN2894A EN2905 EN2907 EN3009	NS PS PS PS NS		L17 L04 L17	60V 12V 60V 60V 40V	60V 12V 40V 40V 15V	6V 4V 5V 5V 4V	50MA 200MA 600MA 600MA 200MA	125C 125C	200MWF 200MWF 300MWF 200MWF 200MWF	60M 800M 150M 150M 350M		100MN 40/120 100MN 100MN 30/120	150MA 150MA	ULS AMG AMG	FCU FCU	BC 239 BS W24 BFS 95 BC 328 BSX20	2N5827 2N3546 2N4036 2N5819 2N2369	0 0 0
EN3011 EN3013 EN3014 EN3250 EN3502	NS NS NS PS	T0106	L 17 L 17 L 17	30V 4CV 40V 50V 45V	12V 15V 20V 40V 45V	5V 5V 5V 5V	200MA 200MA 200MA 200MA 600MA	125C 125C	200MWF 200MWF 200MWF 200MWF 300MWF	400 M 350 M 350 M 250 M 150 M		30/120 30/120 30/120 50/150 100MN	10MA 10MA 30MA 10MA 150MA	VLS VLS RLG	FC U	BS X20 BS X20 BS X20 BS W24 BF S95	2N2369 2N2369 2N2369 2N2907A 2N4036	0 0 0 0
EN3504 EN3903 EN3904 EN3905 EN3906	PS NS NS PS PS	T0106	L17 L14 L17	45V 60V 60V 40V 40V	45V 40V 40V 40V 40V	6V 5V	600MA 200MA 200MA 200MA 200MA	125C	200MWF 200MWF 200MWF 200MWF 200MWF	150M 250M 300M 200M 250M	4P 4P 4P5	100MN 50/150 100MN 50/100 100MN	150MA 10MA 10MA 10MA	AMG ALN AMG	FCU FCU	BC328 BC338 BC349B BC388 BC388	2N5819 2N5818 2N3904 2N4403 2N4403	0 0 0
EN3962 ESM12A ESM12B ESM13A ESM13B	PS NS NS NS	TC66 TO66 TO3	L 17 L 43 L 43 L 05 L 05		60V 60V 80V 60V		200 MA	125C 200C 200C 200C 200C	200MWF 25WC 25WC 5GWC 50WC	40M 60M 60M 50M 50M		100MN 50/150 50/150 50/150 50/150	10MA 1A 1A 2A 2A	VHG VHG VHG	SEU SEU	BC309	2N 6 00 3	0 0 0
ESM14A ESM14B ESM16 ESM18 ESM113	NS NS NS	TC3 TO3 TO3	L05 L05 L05 L05	55CV	60 V 60 V 400 V 100 V 60 V	100	10A 40A	200C 200C 200C 200C 200C	117hC 117wC 150wC 175hC 90wC	40M 40M 5M 1M	 	50/150 50/150 30MN 20/60 1000MN	5A 5A 2A 20A 3A	VHG TLH AHH	SEU SEU SEU		2N5686	0 0 0
ESM114 ESM117 ESM118 FPS6512 FPS6513	NS NS	T03	L05 L05 L05 L14 L14	40V	80 V 60 V 80 V 30 V	40	100MA 100PA			125M	! ! ! 3P5	1000MN 1000MN 1000MN 50/100 90/180	2MA	AHD AHD	S E U S E U F C U	BC 347 A	2N3 90 3 2N 3 90 3	0000
FPS6514 FPS6515 FPS6516 FPS6517 FPS6518	NS NS PS PS	1092 1092	L14 L14 L14 L14	40V 40V 40V	25 V 25 V 40 V 40 V 25 V	4V 4V 5V	LOCMA 200MA	125C 125C	625MWF 625MWF 625MWF 625MWF 625MWF	200 M 200 M 200 M	3P5 4P 4P	250MN 50/100 90/180	2 M A 2 M A 2 M A 2 M A	ALN AMG AMG	FCU FCU	BC 349C BC 349C BC 388 BC 388 BC 388	2N3904 2N3904 2N4403 2N4403 2N4403	0 0 0
FPS6519 FPS6520 FPS6521 FPS6522 FPS6523	PS NS NS PS	1092 1092 1092	114 114 114 114	4CV 40V 25V	25 V 25 V 25 V 25 V 25 V	4V 4V 4V	100MA 100MA 100MA	1 25C 1 25C 1 25C 1 25C 1 25C	625MWF 625MWF 625MWF 625MWF	200M 200M 340M	3P5 3P5 4P	200 MN 300 MN 200 MN		ALN ALN	FCU FCU	BC352B BC349C BC349C BC352B BC352B	2N3904 2N3904 2N3906	0 0 0
FPS653C FPS6531 FPS6532 FPS6533M FPS6534M	NS NS PS	1092 1092 1092	114 114 114 114	60V 50V 40V	40 V 40 V 30 V 40 V	5V 5V 4V	600MA 600MA	125C 125C 125C 125C 125C	625MWF 625MWF 625MWF 625MWF 625MWF	2001 2001 1301	5 5 5 4 5 V 4 8 P	30MN 40/120	100MA	AMG AMG	FCU FCU	BC 387 BC 388	2N4401 2N4401 2N4401 2N4403 2N4403	0 0 0
FPS6535M FPS6560 FPS6561 FPS6562 FPS6563	PS NS PS	1092 1092 1092	114 114 114 114	25 V 20 V 25 V	30 \ 25 \ 20 \ 25 \ 20 \	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	600MA 600MA 600MA	125C 125C 125C 125C 125C	625MWF 625MWF 625MWF 625MWF 625MWF	601 601	1 30P 1 30P 1 30P	50/200 50/200 50/200	500MA	AME AME AME	FCL FCL	BC388 BC387 BC387 BC388 BC388	2N4403 2N4401 2N4401 2N4403 2N4403	0 0 0
FPS6565 FPS6566 FPS6571 FT107A FT107B	NS NS NS	T092 1092 1018	L14 L14 L14 L01	60 V 20 V 30 V	451 451 201 301 451	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	200MA 50MA 100MA	125C 125C 135C 175C 175C	625MWF 310MWF 310MWF 300MWF 300MWF	200	4 3PS	100MN	100UA 100UA	ALM ALM ALM	FCL FCL	J  BC3490		0000
FT107C FT709 FT1746 FT3905 FT3906	N: P: P:	5 TO18 5 TO18 5 TO18	L01 L01 L01 L01	1 15V 1 30V 1 40V	601 61 301 401 401	4 4 V 7 5 V 8 5 V	200M	175C 175C 175C 175C 175C	30 CM WE 30 OM WE 36 OM WE 36 OM WE	100		20MN 50/150	10M/ 10M/ 10M/	A UL:	FCI FCI	BC1090 BSX20 BC177 BSW24 BSW24	2N930 2N2369 2N3965 2N2907 2N2907	A O
GET7 GET8 GET9 GET1C2 GET103	P	3 X06 G X06	108 108 108	3 32V 8 64V 2 30,V	32 <sup>1</sup> 64 <sup>1</sup> 30 <sup>1</sup>	16V 16V 16V 15V 15V	8/ 8/ 1/	80C 80C 85C	20W	150 150 150 750 750	K K K 901	7MN 7MN 7MN 60MN 2 30MN	8 / 1 M	A AHO A AL	G 08: G 08: A 08:	OC 28 OC 28 OC 28 OC 28 AC 126 AC 126	2N 1536 2N 1536 2N 1536 2N 1536 2N 2431 2N 2431	

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	F <sub>T</sub>	C OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
GET104 GET105 GET106 GET110 GET111	PG PG PG PG	T01 X05 T01 X05 T01	LC2 LC2 LC2 LO2	30V 40V 15V 40V 60V	30V 40V 15V 40V 60V	15V 15V 15V 15V 15V	1 A 1 A 1 O O M 1 A 1 A	85C 85C 85C	200MWF 440MWF 200MWF 440MWF 200MWF	750K 600K 750K 600K 750K	75P 90P 75P	30MN 30MN 20MN	1 MA 5 O MA 1 MA 5 O O MA 1 MA	ALA ALA ALN AMA ALH		CV7002	2N2431 2N406 2N11768	0 0 0
GET113 GET114 GET115 GET116 GET120	PG PG PG PG	T01 T01 X05 X05 X05	F C S F C S F C S	15V 15V 15V 30V	15V 15V 15V 30V 30V	15V	1 A 1 A 1 A 1 A	85C 85C	20CMWF 200MWF 440MWF 440MWF 440MWF	750K 750K 750K 750K 750K	90P 90P 90P	60MN 30MN 30MN	1 MA 1 MA 50 MA 50 MA 50 MA	ALA ALA ALG ALG AMG	088	AC 126 CV7002	2N2431 2N2431	0 0 0 0 0
GET535 GET536 GET538 GET571 GET572	PG PG PG PG	T05 T05 T05 X06 X06	LC4 LC4 LC4 LC8	30 V 30 V 60 V 16 V 32 V	30V 30V 60V 16V 32V	15V 15V 15V	1500MA 1500MA 1500MA 12A 12A	85C 85C 85C 85C 85C	800MWH 800MWH 800MWH 26WH	500K 500K 500K 150K 150K	90P	30MN 50MN 30MN 8MN 8MN	10MA 10MA 10MA 12A 12A	ALG ALG ALG AHG AHG		ACY17	2N1176 2N1176 2N1176 2N1176 2N1536 2N1536	0 0 0
GET573 GET870 GET871 GET872 GET873	PG PG PG PG	X06 T01 T01 T01	LC2 LC2 LC2	64V 15V 15V 15V 15V	64V 15V 10V 12V 12V	15 v 15 v 15 v 15 v 15 v	12A 125MA 125MA 125MA 10MA	85C 85C 85C 85C	26WH 55MWF 55MWF 55MWF 55MWF	150K 8M 2M 4M 2M	12F 12P	8MN 30MN 20MN 30MN 20MN	12A 25MA 25MA 25MA 1MA	AHG ALN RLS RLS RLS	CBS OBS CBS CBS	0C44N 0C44N 0C44N	2N1536 2N2614 2N2614 2N2614 2N2614	0 0 0
GET874 GET875 GET880 GET881 GET882	PG PG PG PG PG	T01 T01 T05 T05 T05	LG2 LG2 LG4 LG4 LG4	15V 15V 20V 20V 20V	12V 12V 15V 15V 15V	15V 12V	10MA 10MA 100MA 500MA 500MA	85C 85C 90C 90C 90C	55MWF 55MWF 120MWF 120MWF 120MWF	4 N 8 N 3 N 2 M 6 M	12 F 12 P 12 F 12 P 12 P	30 MN 50 MN 40 MN 50 MN 60 MN	1MA 1MA 1MA 5MA 5MA	RLA RLA RLG RLS RLS	CBS OBS CBS OBS	0C44N 0C44N 0C44N 0C44N 0C44N	2N2614 2N2614 2N2614 2N2614 2N2614	0 0 0
GET885 GET887 GET888 GET889 GET890	PG PG PG PG PG	105 105 105 105 105	LC4 LO4 LC4 LC4 LC4	20V 20V 20V 20V 20V	15V 15V 15V 15V 15V	12V 12V 12V 12V 12V	50CMA 100MA 100MA 100MA 100MA	90C 90C 90C 90C 90C	12CMWF 120MWF 12CMWF 120MWF 120MWF	12M 3M 3M 6M	12F 12P 12P 12P 12P	60MN 40MN 75MN 40MN 75MN	1 MA 1 M A 1 M A	RLS RLA RLA RLA	OBS		2N2614 2N2614 2N2614 2N2614 2N2614	0 0 0 0
GE1891 GE1892 GE1895 GE1896 GE1897	PG PG	TC5 TO5 TO5 TO5 TO5	L04 L04 L04 L04 L04	25V 25V 25V 25V 20V 25V	20V 20V 20V 15V 15V	1 2 V 1 2 V 1 2 V 1 2 V 1 2 V	500MA 500MA 500MA 100MA	90C 90C 90C 90C 90C	12 CMWF 12 OMWF 12 OMWF 12 OMWF 12 OMWF	2 N 6 N 12M 2 M 2 N	12P 12P 12P 12P 12P	50 MN 60 MN 60 MN 16 MN 25 MN		RLS RLS RLS RLS RLS	08 S 0 B S	0C44N 0C44N 0C44N 0C44N 0C44N	2N2614 2N2614 2N2614 2N2614 2N2614	0 0 0 0
GET898 GET914 GET2221 GET2222 GET2369	NS	TC5 TO18 TC18 TO18 TC18	£04 £01 £01 £01 £01	25V 40V 60V 60V 40V	15V 15V 30V 30V 15V	12 V 5 V 5 V 5 V 5 V	100MA 200MA 400MA 400MA 200MA		12 CMWF 36 OMWF 36 OMWF 36 OMWF 36 CMWF	2M 300M 200M 200M 350M	1 2P 6P 8P 8P 7P	62MN 30MN 20MN 50MN 40MN	25MA 10MA 150MA 150MA 10MA	RLS VLS RMS RMS VLS	GEU GEU	0C44N BSX20 BSW64 BSW64 BSX20	2N2614 2N2369 2N2222A 2N2222A 2N2369	
GET3013 GET3014 GET3638 GET3638A GET3646	NS PS PS	TC18 TC18 TC18 TC18	LC1 LC1 LC1 LO1 LC1	40V 40V 25V 25V 40V	15v 20v 25v 25v 15v	5 V 5 V 4 V 4 V 5 V	200MA 200MA 350MA 350MA 200MA	1 25C 125C	360MWF 360MWF 360MWF 360MWF 360MWF	150M 150M		30MN 30MN 25MN 100MN 30MN	10 MA 10 MA	VLS RLG RLG	GEU GEU	ESX2C BSX2O BSW24 BSW24 BSW64	2N2369A 2N2369 2N2907A 2N2907A 2N2222A	0
6M290A GM378A GM656A GT40 GT41		X01	F03	20V 20V 20V 9V 9V	15V 15V 15V 9V 9V	CV3 OV3 CV3 6V 6V	50MA 50MA 50MA 100MA		75MWF 75MWF 75MWF 100MWF 100MWF		1P8 15P 15P	20MN 20MN 20MN 15MN 15MN	3MA 3MA	VLA ULA RLA	TIB	0C44N 0C44N	2N2614 2N2614	0 0 0 0
GT42 GT43 GT44 GT45 GT46		X01	F C 3 F C 3 F C 3 F C 3	9V 9V 25V 25V 25V	9V 9V 25V 25V 25V	6V 6V 6V	100MA 100MA 100MA 100MA 100MA	75C 75C 75C 75C 75C	100MWF 100MWF 100MWF 100MWF 100MWF	6 M 1 M 2 M	15P 15P 15P 15P 15P	30MN 50MN 15MN 15MN 30MN	1MA 1MA 1MA 1MA	RLA RLA RLA	CBS OBS OBS	0C44N 0C44N 0C44N 0C44N 0C44N	2N2614 2N2614 2N2614 2N2614 2N2714	0 0 0 0
GT47 MA0401 MA04C2 MA0404 MAC404/1	PS PS	X01 T05 T05 T018 T018	L03 L04 L04 L01 L01	25V 60V 60V 25V 40V	25V 50V 50V 25V 30V	6V 5V 5V 4V 5V	100MA 600MA 600MA 600MA 600MA	200C 200C	10CMWF 600MWF 60CMWF 400MWF 400MWF	200 M	10P 12P	50MN 40/200 100MN 30/300 30/200	150MA 50MA	RMG RMG RMG	MCB MCB	GC44N BFX29 BFX29 BSW24 BSW24	2N2614 2N2905A 2N2905A 2N2907A 2N2907A	0
MA04C4/2 MAC411 MAC412 MA0413 MAC414	PS PS	TC18 TC18 TC18 TC18	LC1 LO1 LC1 LC1	40V 60V 60V 40V 25V	30V 45V 45V 25V 25V	5V 6V 6V 5V 4V	600MA 100MA 100MA 100MA 100MA	200C 200C 200C	400MWF 300MWF 300MWF 300MWF 300MWF	200 M 100 M 100 M 100 M 100 M	6 P 6 P	75/300 100MN 200MN 60/180 50/500	1 MA 1 MA 1 MA	ALG ALN ALG	MCB MCB	BSW24 BC177 BC179 BC177 BC177	2N2907A 2N3965 2N3965 2N3965 2N3965	00000
MA0461 MA0462 MAC463 MA0491 MA0492	PS PS	T018 T018 T018 T018	LC1 LC1 LC1 LC1 LC1	60V 50V 30V 30V 25V	50V 40V 20V 20V 16V	6V 6V 5V 5V	300MA 300MA 300MA 200MA 200MA	200C 200C 200C	36 CMWF 36 OMWF 36 OMWF 36 OMWF 36 OMWF	175 M 175 M 175 M 375 M 375 M	7 P 7 P 7 P 8 P 8 P	50/200 100MN 50/300 30/120 50/150	1 0MA 10MA	AMG AMG RMG	MCB MCB MCB	BSW24 BSW24 BSW24 BSW24 BSW24	2N2907A 2N2907A 2N2907A 2N2907A 2N2907A	0
MAC493 MA41C1 MA41C2 MA41C3 MA41C4	NS NS NS	TC18 TC18 TO18 TO18 TC18	LC1 LC1 LC1 LC1	150	12V 45V 45V 40V 25V	5 V 5 V 5 V 5 V 4 V		200C 200C 200C 200C 200C	360MWF 300MWF 300MWF 300MWF 300MWF	375M 150M 150M 150M 150M	8P 5P 5P 5P	30/150 70/300 200MN 100MN 50/500	1MA 1MA	ALG ALN ALN	MCB MCB MCB	BSW24 BC107 BC109 BC109 BC107	2N2907A A157	0 0 0 0
NA60C1 NA6002 MA6003 MA6101 MA61C2	NS		LC1 LC1 LC1 LC4 LC4	40 V 40 V 25 V 70 V 60 V	30 V 30 V 25 V 50 V 45 V	5 V 5 V 4 V 6 V		200C 200C 200C 200C 200C	400MWF 400MWF 400MWF 600MWF 600MWF	200 M	10P 12P 10P	40/200	50MA	RMG RMG RMG	MCB MCB MCB		2N2222A 2N2222A 2N2222A 2N2222A 2N2219A 2N2219A	0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
MAE001 MA8002 MA8003 MA9001 MA9002	NS NS NS NS	T05 T05 T05 TC18	L04 L04 L04 LC1 L01	40V 120V 80V 40V 30V	30V 80V 60V 15V 12V	5V 7V 7V 4V5 4V5	AMD 08	200C 200C 200C 200C 200C	800MWF 800MWF 800MWF 360MWF	100M 50M 50M 400M 400M	12P 10P 10P 4P 4P	30MN 40/200 100MN 40/120 30/150	150MA 150MA 150MA 10MA 10MA	AMG AMH AMH VLS VLS	MCB	BFY50 BSW66 BFY50 BSX20 BSX20	2N2297 2N1893 2N2297 2N2369 2N2369	0 0 0 0
MA9003 ME0401 ME0402 ME0404 MEC404/1	NS PS PS PS	T018 T0106 T0106 T0106	L17 L17	18V 60V 60V 25V 40V	12V 50V 50V 25V 30V	4V 5V 5V 4V 5V	600MA	200C 165C 165C 165C 165C	250MWF 360MWF 360MWF 360MWF 360MWF	300M 150M 150M 150M 200M	4P 16P 16P 12P 10P	35/200 40/200 100MN 30/300 30/200	10MA 150MA 150MA 50MA 50MA	VLS AMG AMG AMG AMG	MCB MCB MCB	B S X 2 0 B C 3 2 8 B C 3 2 8 B C 3 2 8 B C 3 2 8	2N2369 2N5819 2N5819 2N5819 2N5819	00000
ME0404/2 ME0411 ME0412 ME0413 ME0414	PS PS PS PS	T0106 T0106 T0106 T0106 T0106	L17 L17 L17	40V 60V 60V 40V 25V	30 V 45 V 45 V 25 V 25 V	5V 6V 5V 4V	100MA	165C	360MWF 200MWF 200MWF 200MWF 200MWF	200M 100M 100M 100M 100M	10P 10P	75/300 100MN 200MN 60/180 50/500	50MA 1MA 1MA 1MA 1MA	AMG ALG ALN ALG ALG	MCB MCB MCB		2N5819 2N4249 2N4250 2N4249 2N4249	0 0 0 0
ME0461 ME0462 ME0463 ME0475 ME0491	PS PS PS PS	10106 10106 10106 10106 10106	L17 L17 L17	60V 50V 30V 75V 30V	50V 40V 20V 75V 20V	6 V 6 V 5 V 4 V 5 V	300MA 300MA 300MA 200MA		250MWF 250MWF 250MWF 200MWF 250MWF	175M 150M 50M	7P 7P 8P 12P 6P	50/200 100MN 50/300 20MN 30/120	10MA 10MA 10MA 10MA 30MA	AMG	1	BSW24 BSW24 BC327	2N2907A 2N2907A 2N2907A 2N6015 2N2907A	0
ME0492 ME0493 ME501 ME502 ME503	PS PS PS PS	1	L 17 L 17 L 17	25V 15V 25V 25V 30V	16V 12V 20V 20V 30V	5 V 5 V 1 2 V 1 2 V 3 O V	200MA 200MA 500MA 500MA	165C 165C	250MWF 250MWF 360MWF 36CMWF 360MWF	375N 200M 200M	13P	50/150 30/150 10MN 20MN 40MN	30MA 30MA 50MA 50MA 50MA	RMG RLC RLC	MCB MCB MCB MCB MCB	BSW24 BSW24	2N2907A 2N2907A	1
ME511 ME512 ME513 ME1001 ME1002	PS PS PS NS	T0106	L17 L17 L17	1	50V 50V 60V 45V 45V	40V 60V 4V 4V	500MA 500MA 500MA		360MWF 360MWF 360MWF 250MWF 250MWF	200M 200M 100M	13P 13P 5P	10MN 20MN 40MN 40/160 100MN	50MA 50MA 50MA 10MA	RLC RLC ALG	MCB MCB	BC237 BC237	2N5825 2N5825	0 0 0 0
ME1075 ME11CO ME112O ME20C1 ME20O2	NS NS NS NS	T0106	L 17 L 17 L 17	110V 130V 35V	75V 100V 120V 25V 25V	4 V	200MA 200MA 100MA	165C 165C 165C 165C 165C	200MWF 200MWF 200MWF 250MWF 250MWF	100M	8 P 8 P 10 P	20MN 20MN 20MN 40/160 100MN	10MA 10MA 10MA 10MA	ALH ALN	MC B MC B	BC337 BC337 BC209	2N6221 2N6221 2N6221 2N4967 2N4967	0000
ME3001 ME3002 ME3011 ME4001 ME4002	NS NS NS	T0106	L17	30V 30V 30V	12V 12V 12V 25V 25V	2 V 2 V 6 V	100MA 100MA 100MA 100MA	•	20CMWF 20CMWF 20OMWF 25OMWF 25OMWF	450M 450M 100M	2P6 2P8 6P	20/200 20/200 60/300	8MA 8MA 8MA 1MA	VL G RL G AL N	MCB MCB	BFX73 BFX73 BC209	2N918 2N918 2N918 2N4967 2N4967	0 0 0 0
ME4003 ME4101 ME4102 ME4103 ME4104	NS NS	T0106	L17	60V 60V 50V	25 V 45 V 45 V 40 V 25 V	5 V 5 V 5 V		165C 165C 165C 165C 150C	250MWF 200MWF 200MWF 200MWF 200MWF	150M 150M 150M	7P 7P 7P	70/300 200MN 100MN	1 M A 1 M A 1 M A	ALH	MCB MCB MCB	1	2N4967 2N4966 2N4967 2N4967 2N4966	0 0 0 0
ME6001 ME6002 ME6003 ME6101 ME6102		10106	L17	40V 25V 70V	30 V 30 V 25 V 50 V 45 V	5 V 4 V 6 V		165C 165C 165C 165C 165C	36 CMWF 36 OMWF 36 OMWF 36 CMWF 36 OMWF	200M 150M 200M	10P 10P 12P 10P	75/300 30/300 40/200	50MA 50MA 150MA	RM G RM G R MG	MCB MCB MCB	BSW64 BSW64 BSW64 BSW64 BSW64	2N22224 2N22224 2N22224 2N22224 2N22224	0 0 0
ME8001 ME8002 ME8003 ME9001 ME9002	NS NS	T0105 T0105 T0106 T0106	5 LC4 5 LO4 5 L17	120V 80V 40V	30 v 80 v 60 v 15 v 12 v	7 V 7 V	800MA 800MA	1	400MWF 400MWF 400MWF 250MWF 250MWF	50N 50N 400N	10 P	40/200	10MA	AMG VLS	MC B MC B	BFY50 BSW66 BFY50 BSX20 BSX20	2N2297 2N1893 2N2297 2N2369 2N2369	0 0 0 0
ME9003 ME9021 ME9022 MJE101 MJE102	NS PS	T0106	6 L 17 6 L 17 6 L 32	40V 25V 40V	12 V 15 V 12 V 40 V 60 V	5V 4V 4V		200C 165C 165C 150C 150C	250MWF 25 CMWF 25 CMWF 75WC 75WC	300 N	6 P		10 MA 10 MA 10 MA 2 A	VLS VLS	MCB MOB	BSX20 BSX20 BSX20 BD590 BD590	2N2 36 9 2N2369 2N2369 2N6126 2N6126	0 0 0
MJE103 MJE104 MJE105 MJE170 MJE171	PS PS	10P66 10P66 10P66 10126	6 L 32 6 L 32 6 L 31	80v 50v 40v	60V 80V 50V 40V	4V 4V 7V	5A 5A 3A	150C 150C 150C 150C 150C	75W0 75W0 65W0 12W0	50×		30/150 30/150 25/100 50/250 50/250	1 A 1 A 2 A 1 C C M A 1 O O M A	AHG AHG	MOB MOB	BD590 BD590 BD590 BD140 BD140	2N6126 2N6126 2N6126 2N4920 2N4920	0 0 0 0
MJE172 MJE180 MJE181 MJE182 MJE200	NS NS	T0126 T0126 T0126 T0126	6 L31 6 L31 6 L31	40V 60V 80V	80 V 40 V 60 V 80 V 25 V		3A 3A	150C 150C 150C 150C 150C	12WC 12WC 12WC 12WC 15WC	50M	, 1 ,	50/250 50/250 50/250 50/250 45/180	1 COM A	AHA AHA AHA	MOB MOB MOB	BC140 BD169 BD169 BD169 BD169 BD237	2N4920 2N4923 2N4923 2N4923 2N4923	0000
MJE201 MJE202 MJE203 MJE204 MJE205	N:		6 L32 6 L32 6 L32	60v 60v 80v	40 V 60 V 80 V 50 V	5 V 5 V	5A 5A	150C 150C 150C 150C 150C	75WC 75WC 75WC 75WC			25/150 25/150 30/150 30/150 25/100	2 A 2 A 1 A 1 A 2 A	A AHE	MOB MOB MOB	B DX73 B DX73 B DX73 B DX73 B D589	2N6101 2N6101 2N6101 2N6101 2N6123	0000
MJE205K NJE210 NJE220 MJE221 MJE222	P: NS	TOP66 TO126 TO126 TO126 TO126	6 L31 6 L31 6 L31	1 25V 1 40V 1 40V			4A	150C 150C 150C 150C	65 WC 15 WC 15 WC 15 WC	65! 50! 50!	4 M	25/100 45/180 40/200 40/150 25MN	200M/	A AHO A AHO A AHO	M CE M OE M OE	BDX73 BD238 BD237 BD237 BD237	2N6101 2N4920 2N4923 2N4923 2N4923	C

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	I C MAX	T J MAX	P TOT	F C T OB MIN MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ıss
MJE223 MJE224 MJE225 MJE230 MJE231	NS NS NS PS	10126 10126 10126 10126 10126	L31 L31 L31	60V 60V 60V 40V	60V 60V 60V 40V		4 A 4 A 4 A 4 A	150C 150C 150C 150C 150C	15 kC 15 kC 15 kC 15 kC 15 kC	50 M 50 M 50 M 50 M 50 M	40/200 40/150 25MN 40/200 40/150	200MA 200MA 1A 200MA 200MA	AHH AHH		BC237	2N4923 2N4923 2N4923 2N4920 2N4920	0 0 0 0
MJE232 MJE233 MJE234 MJE235 MJE240	PS PS PS	10126 10126 10126 10126 10126	L31 L31 L31	4CV 60V 60V 60V 80V	40V 60V 60V 60V 80V		4 A 4 A 4 A 4 A	150C 150C 150C 150C 150C	15WC 15WC 15WC 15WC 15WC	50 M 50 M 50 M 50 M 40 M	25MN 40/200 40/150 25MN 40/200	1A 200MA 200MA 1A 200MA	AHG AHH AHH AHH AHH	MOB MOB MOB MOB MCB	BD238 BD238 BC238 BD238 BD237	2N4920 2N4920 2N4920 2N4920 2N4923	0 0 0 0
MJE241 MJE242 MJE243 MJE244 MJE250	NS NS NS NS PS	T0126 T0126 T0126	L31 L31 L31	80V 80V 100V 100V 80V	80V 80V 100V 100V 80V		4A 4A 4A 4A	150C 150C 150C 150C 150C	15WC 15WC 15WC 15WC 15WC	40 M 40 M 40 M 40 M 40 M	40/120 25 MN 40/120 25 MN 40/200	200MA 200MA 200MA 200MA 200MA	AHH AHH	M CB M OB	BC237 BD237 BD237 BC237 BC238	2N4923 2N4923 2N4927 2N4923 2N4920	0 0 0 0
MJE251 MJE252 MJE253 MJE254 MJE340	PS PS PS PS NS	T0126 T0126 T0126	L31 L31 L31	80V 80V 100V 100V 300V	80V 60V 100V 100V 300V	3V	4A 4A 4A 4A 500MA	150C 150C 150C 150C 150C	15WC 15WC 15WC 15WC 20W	40M 40M 40N 40M 10N	40/120 25MN 40/120 25MN 30/240	200MA 200MA 200MA 200MA 50MA	АНН АНН	MCB MOB MCE MOB MOB	BD23 & BD	2N4920 2N4920 2N4920 2N4920	0 0 0 0
MJE340K MJE341 MJE341K MJE344 MJE344K	NS NS NS NS	T0126 T0P66 T0126	L31 L32 L31	150V 150V 200V	300v 150v 150v 200v 200v		500MA 500MA 500MA 500MA 500MA	150C 150C 150C 150C 150C	30WC 20WC 30WC 20WC 30WC	15M 15M 15M 15M	30/240 25/200 25/200 30/300 30/300	50MA 50MA 50MA 50MA 50MA		MCB MOB MOB MCB MOB	BD232 BD232 BD232 BD232 BC232	2N6177 2N6177 2N6177	0 0 0 0
MJE345 MJE370 MJE370K MJE371 MJE371K	NS PS PS PS	TO126	L31 L32 L31	325V 30V 30V 40V 40V	325 V 30 V 30 V 40 V 40 V	4V 4V	500MA 3A 3A 4A 4A	150C 150C 150C 150C 150C	20WC 25WC 40WC 40WC 60WC	15M	30/300 25MN 25MN 40MN 40MN	50MA 1A 1A 1A 1A	ALE AHG AHG AHG	MOB MCB	B0590 B0238	2N4920 2N6126 2N4920 2N6126	0 C C 0 0
MJE488 MJE520 MJE520K MJE521 MJE521K	NS NS NS NS	T0126 T0P66 T0126	L31 L32 L31	50V 30V 30V 40V 40V	50v 30v 30v 40v 40v	4V 4V	5 A 3 A 3 C A 4 A 4 A	150C 150C 150C 150C 150C	4 C W C 25 W C 40 W C 4 C W C 60 W C		25/100 25MN 25MN 40MN 40MN	1500MA   1A   1A   1A	AHG AHG AHG AHG	MOB MOB	BD441 BDX75 BD441	2N5192 2N5192 2N6103 2N5192 2N6123	00000
MJE710 MJE711 MJE712 MJE720 MJE721	PS PS PS NS	T0126 T0126 T0126	L31 L31 L31	4CV 60V 8CV 40V 60V	40V 60V 80V 40V 60V	5 V 5 V 5 V	150CMA 150CMA 150CMA 150CMA 150CMA	150C 150C	2 C W C 20 W C 20 W C 2 W F 20 W C		40MN 40MN 40MN 40MN -40MN	150MA 150MA 150MA 150MA 150MA	AHH AHH AMG	MCR MCB MOB	BD165	2N4923 2N4923	0 0 0
MJE722 MJE1290 MJE1291 MJE1660 MJE1661	NS PS PS NS	TCP66	L32	60V 40V	80V 40V 60V 40V	5 V 5 V 5 V	15A 15A	150C 150C 150C 150C 150C	20 W C 90 W C 90 W C 90 W C 90 W C	3M 3M 3M	40MN 20/100 20/100 20/100 20/100		AHG AHG	M CB M CB M CB	BC169 BDX78 BCX78 BCX75 BDX75	2N4923 2N6134 2N6134 2N6103 2N6103	0
MJE2C10 MJE2C11 MJE2O2C MJE2O21 MJE216O	PS PS NS	TOP 66 TOP 66	L32 L32 L32	60 V 40 V 60 V	40V 60V 40V 60V 300V	5V 5V 5V	5A 5A 5A 5A 150CMA	150C 150C	80W0 80W0 80W0 80W0 50W0	3M 3M 3M	25/125 25/125 25/125 25/125 25/125 30/240	1 A 1 A 1 A 1 A 50 CMA	AHC AHC	M CB M CB M OB	80590 80590 80X73 80X73	2N6126 2N6126 2N6101 2N6101	0
MJE2360 MJE2361 MJE2370 MJE2371 MJE2480	NS NS PS NS	TOP 66 TOP 66	6 L32 6 L32	40V 60V	350 v 350 v 40 v 60 v 40 v	6V 5V 5V	3 4	150C 150C 150C	30W0 30W0 40W0 40W0 60W0	5M 3M 3M	25/200 50/250 40/200 40/200 20/100	5 CM A 50MA 200MA 200MA 150CMA	ALE AHH	MOB MOB MCB		2N6177 2N6177 2N6126 2N6126 2N6101	0 0
MJE2481 MJE2482 MJE2483 MJE2490 MJE2491	NS NS PS	10P66 10P66	6 L32 6 L32 6 L32	40V 6CV 40V	60 V 60 V 60 V 60 V	5V 5V 5V	4A 3A	150C	60W0 60W0 60W0	2M 2N 3M	20/100 20/100 20/100 20/100 20/100	2500MA 2500MA   1A	AHO	MOR MOR MCE	BDX73 BDX73 BD590	2N6101 2N6101 2N6101 2N6126 2N6126	0 0
MJE2520 MJE2521 MJE2522 MJE2523 MJE2801	NS NS NS	TOP6	6 L 32 6 L 32 6 L 32	60V 4CV 60V	40 V 60 V 60 V 60 V	5V 5V 5V	3 A 3 A 3 A 1 O A	150C 150C 150C	4 C h ( 40 h ( 40 h ( 40 h ( 90 h (	3 M 3 M 3 M	40/200 40/200 20/100 20/100 25/100	200MA 200MA 1A 1A	AHA AH	H MOR	BD549 BD549 BD549 BD589 BD589 BDX75	2N6123 2N6123 2N6123 2N6123 2N6103	0 0
MJE2801K MJE2901 MJE2955 MJE3054 MJE3055	NS PS NS	TOP6	6 L 32 6 L 32 6 L 32	60V 70V 90V	60\ 55\	4V 5 V 5 V	10A 10A 4A	150C 150C 150C 150C 150C	50% 90% 90% 90% 40%	2M 1M	25/100 25/100 20/70 25/100 20/70	34 34 44 500M/	AHA AHI	H MCE H MOE	BD X75 B D X78 B D X 78 B BD 5 8 9 B D X 75	2N6103 2N6134 2N6134 2N6123 2N6103	0 0
MJE3055K MJE3370 MJE3371 MJE3439 MJE3440	NS PS	TOP6	6 L32 6 L32 6 L32	2 30 V	30 v 60 v 350 v	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	34 34 300MA	150C 150C 150C 150C 150C	90W 25W 40W 15W	3M 15M	20/70 25 MN 40/200 30 MN 40/160	200M 200M 200M	A AHI	M M CF	B D X 7 5 B D 5 9 0 B D 5 9 0 B D 2 3 2 B D 2 3 2	2N6103 2N6126 2N6126 2N6177 2N6177	0 0
MJE3521 MJE3738 MJE3739 MJE3740 MJE3741	N: N: P:	TOP6 TOP6 TOP6 TOP6	6 L3; 6 L3; 6 L3;	2 250 V 2 32 5 V 2 60 V	225) 300) 60)	6 V V 6 V V 5 V	500MA 500MA	150C 150C 150C 150C 150C	40W0 30W0 30W0 40W0 40W0	5 5M C 5M C 4M	40MN 40/200 40/200 30/100 30/100	100MA 100MA 250MA	A AL	E MO			0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	F C T C	)B MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
MJE4918 MJE4921 MJE4922 MJE4923 MJE5190	PS NS NS NS	TCP66 TOP66 TOP66	L32 L32 L32	40V 40V 60V 8CV 40V	40V 40V 60V 80V 40V	5 V 5 V 5 V	3A 3A 3A 3A 4A	150C 150C 150C 150C 150C	4 CM C 4 OM C 4 OM C 4 OM C 6 OM C	3M 3N 3N 3N 2M		2C/100 20/100 20/100 20/100 25/100	500MA 500MA 500MA 500MA 500MA	AHG AHG AHH AHH AHG	HOB	8D590 8D589 8D589 8D589 BDX 73	2N6126 2N6123 2N6123 2N6123 2N6101	00000
MJE5191 MJE5192 MJE5193 MJE5655 MJE5656	NS NS PS NS	TOP66	L32 L32 L32	6CV 8CV 40V 250V 300V	60V 80V 40V 250V 300V	5V 5V 5V	4 A 4 A 4 A 5 O O M A 5 O O M A	150C 150C 150C 150C	60WC 60WC 30WC 30WC	2M 2N 2M 10M 10M	-	25/100 1 20/80 1 25/100 30/250 30/250	1500MA	AHH AHG ALE ALE	MOB MOB MOB MOB	BDX73 BD589 BD590 BD232 BD232	2N6101 2N6123 2N6126 2N6177 2N6177	0 0 0
MJE5657 MJE5977 MJE5978 MJE5979 MJE5983	NS NS NS NS	10P66 10P66 10P66	L32 L32 L32	350V 40V 60V 80V 40V	350V 40V 60V 80V 40V	5V 5V 5V	500MA 5A 5A 5A 8A	150C 150C 150C 150C 150C	30WC 75WC 75WC 75WC 90WC	10 M 2 M 2 M 2 M 2 M		30/250 20/120 20/100 20/120 20/120	25CCMA	ALE AHG AHH AHH AHG	MOB MOB MOB MOB	BD232 BDX73 BDX75 BDX73 BDX73	2N6177 2N6101 2N6103 2N6101 2N6101	0 0 0
MJE5984 MJE5985 MP3111 MP8112 MP8113	NS NS NS NS	TCP66 X30 X30	ı	6CV 80V 60V 60V	60V 80V 60V 60V	7٧	8A 8A 1200MA 1200MA 1200MA	150C 150C 150C 150C 150C	90WC 90WC 3WC 3WC	100M		20/120 20/120 30/60 50/120 100MN	4A 4A 2CCMA 200MA 200MA	AHH AHG AHG AHG	MCB MCB MCB MCB	BDX75 BOX73 BO169 BO169 BC169	2N6103 2N6101 2N4923 2N4923 2N4923	0 0 0
MP8121 MP8122 MP8123 MP8211 MP8212	NS NS NS NS	X30 X30 T066	L67 L67 L67 L43 L43	35V 35V 35V 60V 60V	35 V 35 V 35 V 60 V 60 V	7 v 7 v 7 v	1200MA 1200MA 1200MA 1500MA 1500MA		3 NC 3 NC 3 NC 5 NC 5 NC	1		20/60 50/120 100MN 30/60 50/120	200MA 200MA 200MA 500MA 500MA	AHG AHG AHG AHG AHG	MCB MCB MCB MCB MCB	BD169 BD169 BD169 BDY78 BCY78	2N4923 2N4923 2N4923 2N5050 2N5050	0 0 0 0
MP9213 MP9221 MP8222 MP8223 MP8511	NS NS NS PS	T066 T066	L43 L43 L43 L43 L67	60V 35V 35V 35V 60V	60 V 35 V 35 V 35 V 60 V	7 V 7 V 7 V	1500MA 1500MA 1500MA 1500MA 1200MA	150C 150C 150C	5 W C 5 W C 5 W C 5 W C 3 W C	100M 100M		100MN 20/60 50/120 100MN 30/60	500MA 500MA 500MA 500MA 200MA	AHG AHG AHG RHG	MCB MCB MCB MCB	BDY78 BDY78 BDY78 BDY78 BC140	2N5050 2N5050 2N5050 2N5050 2N4920	0 0 0
MP8512 MP8513 MP8521 MP8522 MP8523	PS PS PS PS	X3C X3C X3C	L67 L67 L67 L67	l .	60 V 60 V 35 V 35 V	7 V 7 V 7 V	1200MA 1200MA 1200MA 1200MA 1200MA	150C 150C 15CC	3WC 3WC 3WC 3WC	50M 50M 50M		50/120 100MN 20/60 50/120 100MN	20 CMA 200MA 200MA 20 CMA 20 CMA	RHG RHG RHG RHG		BD140 BD140 BD140 BD140 BD140	2N4920 2N4920 2N4920 2N4920 2N4920	0 0 0
MP8611 MP8612 MP8613 MP8621 MP3622	PS PS PS	1066 1066 1066	L43 L43 L43 L43	600	60V 60V 60V 35V	7V 7V 7V	1500MA 1500MA 1500MA 1500MA 1500MA	150C 150C 150C	5WC 5WC 5WC 5WC	50M 50M 50M		30/60 50/120 100MN 20/60 50/120	500 MA 500 MA 500 MA 500 MA 500 MA	RHG RHG RHG	MC B	BDX16	2N3741 2N3741 2N3741 2N3740 2N3740	0 0 0
MP8623 MP\$3396 MP\$3397 MP\$4C4 MP\$4O4A	PS NS NS PS	T092 T092 T092	L 43 L 14 L 14 L 14	25V 25V 25V	35V 25V 25V 24V 35V	5V 5V 12V	150 ₩ Δ	_	5WC 31 CMWF 31 CMWF 31 OMWF 31 OMWF	: : : 3M	4P 4P 20P 20P	55/500 30/400	12™∆	ALG ALG	MOB MCB	BC 347A BC 347A BC 350A	2N3903 2N3905	0 0 0
MPS706 MPS7C6A MPS7C8 MPS834 MPS835	NS NS NS	1092 1092 1092	L 14 L 14 L 14 L 14 L 14	25 V 40 V 40 V	301	5V 5V 5V	200MA	135C 135C	31 CMWF 31 CMWF 31 CMWF 31 OMWF 31 OMWF	200M 300M 350M	6 P 6 P 6 P 4 P	20/60 30/120 25MN	10 MA 1 CMA 1 CMA 10 MA	VLS VLS	MOB MOB		2N731 2N731 2N2369 2N2369 2N2369	0 0 0 0
MPS918 MPS2369 MPS2711 MPS2712 MPS2713	N N N N N N N N N N N N N N N N N N N	1092 1092 1092	L14 L14 L14 L14	40V 18V	181	4 V 5 V 5 V	500MA 100MA	135C 135C 135C 135C 135C	31 0 M W F 31 0 M W F 31 0 M W F 31 0 M W F	500M	4 P 4 P 4 P	40/120 30/90 75/225	2 M A	1	MOB MOB MCB	BC 3474		0 0 0
MPS2714 MPS2715 MPS2716 MPS2923 MPS2924	N	1092 1092 1092	L14 L14 L14 L14	18V 18V 25V	18\ 18\ 25\	5 V 5 V 5 V	100MA	135C 135C 135C 100C 100C	31 CM WE 31 OM WE 31 OM WE 20 CM WE 20 OM WE	=	4 P	30MN 75MN 90/180	2 M.A	1	M OB MOB MOB	BC 3474	2N3903 2N3903	0 0 0
MPS2925 MPS2926 MPS3390 MFS3391 MPS3391A	N	1092 1092 1092		18V 18V 25V	181 181 251	5 V 5 V 5 V	100 %		200MWF 310MWF 310MWF 31CMWF 31CMWF	60 M	1 2F 4F 10F 10F	35/470 400MN 250MN	2 MA 2 MA 2 MA 2 MA 2 MA	ALG ALA ALG	M CB M OB M O B	BC 3474 BC 3490 BC 3490	2N3903 2N3904 2N3904	0
MPS3392 MPS3393 MPS3394 MPS3395 MPS3398	22727	5 1092 5 1092 5 1092	L 14	4 25V 4 25V 4 25V	25° 25° 25°	5V 5V 5V		135C	310 MWI 310 MWI 310 MWI 310 MWI 310 MWI	= =  -  -	4 F 4 F 4 F 4 F	9C/180 55/110 150MN	2 M A 2 M A 2 M A 2 M A 2 M A	ALG ALG	MOE MOE MOE	BC347/ BC347/ BC347/	2N3903 2N3903 2N3903	0
MPS3563 MPS3638 MPS3638A MPS3639 MPS3640	N.P.P.P.P.P.P.P.P.P.P.P.P.P.P.P.P.P.P.P	S 1092 S 1092 S 1092	L 1-	4 25 V 4 25 V 4 6 V	25 25 6	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	50M/ 500M/ 500M/ 80M/ 80M/	100C 125C	310MWi 310MWi 310MWi 200MWi 310MWi	F 100M F 150M F 500M	201 101 3P	20MN 100MN 5 30/120	8 M / 300 M / 5 C M / 1 C M /	A AMO	MOE MOE	BC388 BC388 BSW25	2N918 2N4403 2N4403 2N3546 2N3546	
MPS3646 MPS3693 MPS3694 MPS3702 MPS3703	~ ~ ~ P P	S 1092 S 1092 S 1092	L1 L1 L1	4 45 V 4 45 V 4 40 V	45 45 25	V 4V V 4V V 5V	200M	135C		F 200M	3P 3P 12	30/120 5 40/160 5 100MN 60/300 30/150	50M	4 VL A 4 VL A 6 AM (	MOI MOI MOI	BSW64	2N2369 2N2222 2N2222 2N4403 2N4403	A 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VÇE MAX	VEB MAX	I C MAX	T J MAX	Р ТОТ		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
MPS3704 MPS3705 MPS3706 MPS3707 MPS3708	NS NS NS NS	1092 1092 1092	L14 L14 L14 L14	50V 50V 40V 30V 30V	30V 30V 20V 30V 30V	5 V 5 V 5 V 6 V	600MA 600MA 600MA 30MA 30MA	135C 135C 135C 135C 135C	310MWF 310MWF 310MWF 310MWF 310MWF	100M 100M 100M	12P	100MN 50/150 30/600 100MN 45/660	5 CMA 50 MA 50 MA 100 UA 1 MA	AMG AL N	MOB MOB MOB		2N3704 2N3704 2N3704 2N3704 2N3904 2N3903	0 0 0 0
MPS3709 MPS3710 MPS3711 MPS3721 MPS3826	NS NS NS NS	T092	L14 L14 L14 L14 L14	30V 30V 30V 25V 60V	30V 30V 30V 25V 45V	6V 6V 6V 5V 4V	30MA 30MA 30MA 100MA 100MA	135C 135C 135C	310MWF 310MWF 31CMWF 310MWF	200 P 200 M	4 P 4 P	45/165 90/330 180MN 60/660 40/160	1MA 1MA 1MA 2MA 1CMA	ALG ALN ALG ALG	MOB MOB MOB	BC 349C	2N3903 2N3903 2N3904 2N3903 2N3903	0 0 0 0
MPS3827 MPS4354 MPS4355 MPS4356 MPS5172	NS PS PS PS	T092 T092 T092	L14 L14 L14 L14 L14	60V 60V 60V 80V 25V	45V 60V 60V 80V 25V	4V 5V 5V 5V	100 PA 50 MA 50 MA 50 MA 100 PA	135C 135C 135C	310MWF 310MWF 310MWF 310MWF 310MWF	200F 100M 100M 100M		100MN 50/500 100MN 50/250 100MN	10 MA 10 MA 10 MA 10 MA 10 MA	ALN ALG ALG ALG ALG	MOB MOB MOB	BC349C BC350A BC350A BC350A BC347A	2N3904 2N3905 2N3905 2N5400 2N3903	0 0 0
MPS6507 MPS6512 MPS6513 MPS6514 MPS6515	NS NS NS NS	T092 T092 T092	L14 L14 L14 L14 L14	30V 40V 40V 40V	20V 30V 30V 25V 25V	3V 4V 4V 4V	100MA 100MA 100MA 100MA 100MA	135C 135C 135C	31 CMWF 31 CMWF 31 CMWF 31 OMWF 31 OMWF	700F 125F 125F 200M 200F	2P5 4P 4P 4P	25MN 50/100 90/180 150MN 250MN	2MA 2MA 2MA 2MA 2MA	ULA ALG ALG ALN ALN	MOB MOB MOB	BC347A BC349C	2N2857 2N3903 2N3903 2N3904 2N3904	0 0 0 0
MPS6516 MPS6517 MPS6518 MFS6519 MPS6520	-	1092	L 14 L 14 L 14 L 14 L 14	40V 40V 40V 25V 40V	40V 40V 40V 25V 25V	4V 5V 4V 4V	200MA 200MA 200MA 100MA 100MA	135C 135C 135C	31 CMWF 31 CMWF 31 OMWF 31 OMWF 31 CMWF	100M 100M 150M 200M 200M	4 F 4 P 4 P 4 P	30 MN 60 MN 150 MN 150 MN 200 MN	100MA 100MA 2MA 2MA 2MA	AMG AMG AMG ALG ALN	MOB MOB MOB	BC388 BC388 BC388 BC350A BC349C	2N4403 2N4403 2N4403 2N3905 2N3904	0 0 0 0
MFS6521 MPS6522 MPS6523 MPS6530 MPS6531	NS PS PS NS	T092 T092	L14 L14 L14 L14	40V 25V 25V 60V 60V	25V 25V 25V 40V 40V	4 V 4 V 5 V 5 V	100MA 100MA 100MA 600MA	135C 135C 135C	31 CMWF 310MWF 310MWF 310MWF 31 CMWF	170M 170M 200 M	4P 4P 4P 5P	300MN 100MN 300MN 40/85 90/150	2 MA 10 GUA 2 MA 100 MA 100 MA	ALN ALN ALN AMG AMG	MCB MCB MOB	BC349C BC352B BC352B BC387 BC387	2N3904 2N3906 2N3906 2N4401 2N4401	0 0 0
MPS6532 MPS6533 MPS6533M MPS6534 MPS6534	PS PS PS PS	T092 T092 T092	L14 L14 L14 L14	50 V 40 V 40 V 40 V 40 V	30V 40V 40V 40V	5 V 4 V 4 V 4 V	600MA 600MA 600MA 600MA	135C 175C	310MWF 310MWF 625MWF 310MWF 31CMWF	130M 130M 130M	5P 6P 8P 6P	30MN 40/120 40/120 90/270 90/270	100MA 100MA 100MA 100MA 100MA		MOB MOB MOB		2N4401 2N4403 2N4403 2N4403 2N4403	00000
MPS6535 MPS6535 MPS6535M MPS6560 MPS6561	PS PS PS NS	1092 1092 1092	L14 L14 L14 L14	40V 30V 30V 25V 20V	40v 30v 30v 25v 20v	4 V 4 V 4 V 4 V	600MA 600MA 600MA 600MA	135C 175C 135C	625MWF 310MWF 625MWF 500MWF 500MWF	130M	8P 6P 8P 30P	90/270 30MN 30MN 50/200 50/200	1 GOMA 100MA 100MA 5 GOMA 35 GMA	AMG AMG AMG	MOB	BC388 BC388 BC388 BC387 BC387	2N4403 2N4403 2N4403 2N4401 2N4401	0 0 0 0
MPS6562 MPS6563 MPS6564 MPS6565 MPS6566	NS		L 14 L 14 L 14 L 14 L 14	25V 20V 45 V 60 V	25V 20V 45V 45V 45V	4V 4V 5V 4V	60CMA 600MA 100MA 200MA 200MA	135C 135C 135C	500MWF 500MWF 31 CMWF 31 CMWF 310MWF	200M		50/200 50/200 25MN 40/160 100MN	1 CMA	AMG ALG ALG	MOB MCB	BC 388 BC 398 BC 347A BC 347A BC 349C	2N3903	0 0 0
MPS6571 MPSA05 MPSA06 MPSA09 MPSA10	NS NS	1092 1092 1092 1092 1092	L14 L14 L14 L14	20V 60V 80V 50V 40V	20V 60V 80V 50V 40V	3V 4V 4V	50MA 500MA 500MA 100MA 100MA	135C 135C	31CMWF 500MWF 50CMWF 310MWF 310MWF	100 P 100 M 100 M 30 M 50 M	5F 10P 10P 5P 4P	250 MN 50 MN 50 MN 100 MN 40 MN	100UA 10MA 10MA 10CUA 5MA	AMG AMG ALN	MOB MOB MOB	BC 349C BC 387 BC 387 BC 349C BC 347A	2N3904 2N4401 2N4401 2N3904 2N3903	0 0 0 0
MPSA12 MPSA13 MPSA14 MPSA16 MPSA17	NS NS NS NS	T092 T092 T092	L 14 L 14 L 14 L 14 L 14	20V 30V 30V 40V 15V			300MA 300MA 300MA 100MA	135C 135C 150C	31 CMWF 31 OMWF 31 OMWF 35 OMWF 35 OMWF	125M	10 P	20KMN 5KMN 10KMN 200MN 25/250	1CMA 10MA 1CMA 5MA 5MA	ALN ALN ALG	MOB MOB	BC 349C BF Y90	2N3904 2N2857	0 0 0
MPSA18 MPSA20 MPSA55 MPSA56 MPSA65	NS NS PS PS	T092 T092 T092	L14 L14 L14 L14	45V 40V 60V 80V 30V	45V 40V 60V 80V 30V	4 V 4 V 4 V 8 V	100MA 100MA 500MA 500MA 300MA	135C 135C 135C	31 CMWF 31 CMWF 625MWF 625MWF 625MWF	125M 50M 50M	4P 12P 12P 5P	800MN 40/400 50MN 50MN 50K MN	5MA 10MA	ALG AMG AMG	MOB MOB MOB	BC349C BC347A BFX29 BFX29	2N3904 2N3903 2N29054 2N29054	
MPSA66 MPSA70 MPSU01 MPSU01A MPSU02	NS	T092 X17 X17	L14 L14 L35 L35 L35	30V 40V 30V 50V 60V	30V 40V 30V 40V 40V	8 V 4 V 5 V 5 V	300MA 100MA 1500MA 1500MA 800MA	135C 135C 135C	625MWF 310MWF 8WC 8WC 6WC	125M 50M 50M		75KMN 4C/400 50MN 50MN 50/300	1 C M A 5 M A 1 A 1 A 1 5 O M A	ALG AMG AMG	MOB MCB MOB	BC350A BD169 BD169 BD169	2N3905 2N4923 2N4923 2N4923	0 0 0 0
MPSU03 MPSU04 MPSU05 MPSU06 MPSUC7	NS NS NS NS	X17 X17	L35 L35 L35	120V 180V 6CV 80V 100V	120V 180V 60V 80V 100V	5 V 5 V 4 V 4 V	2A 2A	135C 135C 135C 135C 135C	8WC 8WC 10WC 10WC 10WC			40MN 40MN 80/125 80/125 60/110	10 MA 10 MA 50 MA 50 MA 50 MA	ALE AMH AHG	MOB MOB MOB	80232 80232 80237 80237 80237	2N4923 2N4923 2N4923	0 0 0 0
MPSU10 MPSU51 MPSU51A MPSU52 MPSU55	PS PS	X17 X17	L35 L35 L35 L35 L35	300V 30V 50V 60V 60V	300V 30V 40V 40V 60V	8 V 5 V 5 V 4 V	500MA 1500MA 1500MA 800MA 2A	135C 135C	1 WF 8 W C 8 W C 6 W C 1 W F		30P 30P 8P	25MN 50MN 50MN 50/300 80/160	1A 50MA	AM G AMG AMG	MOB MOB MOB	BD232 BD140 BD140 BD140 BD238	2N4920 2N4920 2N4920 2N4920 2N4920	0 0 0 0
MPSU56 MPSU57 MPSU60 MPSU95 MTC404	PS PS	X17 X17 X17 X17 X17 X31	L35	80V 100V 30CV 50V 25V	80V 100V 30CV 40V 25V		2A 2A 500MA 2A 600MA	135C 135C 135C	lwF IWF IWF IWF 100MWF		12P	80/160 60/140 25MN 25KMN 30/300	50 MA 50 MA 1 MA 200 MA 50 MA	AMH ALE ALA	MOB MOB MOB	BD238 BD238	2N4920 2N4920	0 0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
MT0404/1 PTC404/2 PT0411 MTC412 MTC413	PS PS PS PS	X31 X31 X31 X31 X31	L68 L68 L68 L68 L68	40V 40V 60V 60V 40V	30 V 30 V 45 V 45 V 25 V	5 V 5 V 6 V	600MA 600MA 100MA 100MA	165C 165C 165C 165C 165C	100MWF 400MWF 100MWF 100MWF 100MWF	200M 200M 100M 100M	10P 10P 10P	30/200 75/300 100MN 200MN 60/180	50MA 50MA 1MA 1MA	RMG RMG ALG ALN ALG	MCB MCB MCB MCB MCB			00000
MT0414 PTC461 PTC462 MT0463 MTC491	PS PS PS PS	X31 X31 X31 X31 X31	L68 L68 L68 L68 L68	25V 60V 50V 30V 30V	25 V 50 V 40 V 20 V 20 V	4 V 6 V 6 V 5 V	100MA 300MA 300MA 300MA 200MA	165C 165C 165C 165C	10 CM WF 100MWF 100MWF 10 CMWF 10 CMWF	100M 175M 175M 150M 375M	10P 7P 7P 8P 6P	50/500 50/200 100MN 50/300 30/120	1MA 10MA 10MA 10MA 30MA	ALG AMG AMG AMG RMG	MCB MCB MCB MCB MCB			0 0 0 0
MT0492 MT0493 MT1075 MT1100 MT3001	PS PS NS NS	X31 X31 X31 X31 X31	L68 L68 L68 L68	25V 15V 75V 110V 30V	16V 12V 75V 100V 12V	5 V 5 V 4 V 4 V 3 V	200MA 200MA 200MA 100MA	165C 165C 165C 165C	100MWF 100MWF 100MWF 100MWF 100MWF	375M 375N 50N 30N 600M	6P 9P 8P 8P 2P8	50/150 30/150 20MN 20MN 20/200	30MA 30MA 10MA 10MA	RMG RMG ALH ALH RLG				0 0 0 0
MT3002 MT3011 MT4101 MT4102 MT4103	NS NS NS NS	X31 X31 X31 X31 X31	L68 L68 L68 L68 L68	30V 30V 60V 60V 50V	12V 12V 45V 45V 45V	2V 2V 5V 5V 5V	100MA 100MA	165C 165C 150C 150C	100MWF 10CMWF 10CMWF 10CMWF 10OMWF	60M	2P6 2P8 3P5 3P5 3P5	20/200 20/200 40/120 100MN 100MN	8MA 8MA 10UA 1CUA	VLG RLG ALN ALN ALG	MCB MCB MCB			0 0 0 0
MT4104 MT6001 MT6002 MT6003 MT9001	NS NS NS NS	X31 X31 X31 X31 X31	L68 L68 L68 L68	25V 40V 40V 25V 40V	25V 30V 30V 25V 15V	4V 5V 5V 4V 4V5		150C 165C 165C 165C 165C	100MWF 100MW 100MWF 100MWF 100MWF	60 M 200 M 200 M 150 M 400 M		50MN 30/300 75/300 30/300 40/120	1MA 5CMA 5CMA 5OMA 1OMA	R MG R MG R MG	MCB MCB			0 0 0
MT9CO2 MT9OC3 NK1OO28 NKT4 NKT5	NS NS PG PG	T05	L68 L68 L04 LC2 L02	30V 18V 60V 16V 16V	12V 12V 60V 10V 10V		1A 500MA 500MA	165C 165C 200C 75C 75C	100MWF 10CMWF 800MWF 90MWF 90MWF	400M 300M 50M 12M 6M	4P 4P 12P 12P 12P	30/150 25/200 30MN 75TP 60TP	10MA 1 CMA 15 CMA 1 MA 1 MA	VLS AMG RLS	MCB NEM OBS	0C44N	2N2297 2N2614 2N2614	0 0 0 0
NKT11 NKT12 NKT24 NKT25 NKT32	PG PG PG PG	TC1 TC5 TC5	L02 L02 L04 L04 L02	18V 18V 16V 16V 10V	10v 10v 10v 10v 10v	12V 10V 10V	100MA 100MA 500MA 500MA	75C 75C 75C 75C 75C	75MWF 75MWF 90MWF 90MWF 60MWF	12M 12M 6M	12P 12P 12P 12P 12P	45MN 75TP 60TP	1 MA 1 MA 1 MA 1 MA	RLA RLS	NEM OBS OBS	OC44N ASY27	2N2614 2N2614 2N1305 2N1305 2N2614	0 0 0 0
NKT33 NKT42 NKT43 NKT52 NKT53	PG PG PG PG	T05 T05 T01	L02 L04 L04 L02 L02	10V 10V 10V 10V 10V	10V 10V 10V 10V 10V	1	10 MA 10 MA 10 MA 10 MA	75C 75C 75C 75C 75C	60MWF 66MWF 66MWF 75MWF 75MWF	6M 2M 2N	12P 12P 30P	100TP 75TP 100TP	1 M A 1 M A 1 M A	1	08S 08S 08S	0C44N	2N2614 2N2614 2N2614 2N2614 2N2614	0 0 0 0
NKT54 NKT62 NKT63 NKT64 NKT72	PG PG PG PG	T05 T05 T05	L02 L04 L04 L04 L02	10V 10V 10V	10V 10V		10MA 25MA 25MA 25MA 10MA	75C 75C	75MWF 75MWF 75MWF 75MWF 75MWF	8M 2 M 5 M	3CP 3CP 3CP 3CP 12P	100TP 80TP 80TP	1 M A	RLA RLA RLA RLA	OBS OBS OBS	0C44N ASY27 ASY27 ASY27 OC44N	2N2614 2N1305 2N1305 2N1305 2N2614	0 0 0 0
NKT73 NKT74 NKT102 NKT103 NKT104	P G P G P G	T01 T022 T022	L02 L02 L39 L39	15V 20V 20V	10V 10V 20V 20V 20V	6V 6V	1 CMA 1 OM A 5 O O MA 5 O O MA	75C 75C 75C	75MWF 75MWF 75MWF 75MWF 75MWF	2 M 4 M 2 M		30MN 100TP 100TP	1 MA	RLA RLA RLS RLS	NEM ORS ORS	1	2N2614 2N2614 2N1305 2N1305 2N1305	
NKT105 NKT106 NKT107 NKT108 NKT109	P () P () P () P ()	T022 T022 T022	L39	20V 20V 20V	20 V 20 V 20 V 20 V	6V 6V 6V	500MA 500MA 500MA 500MA 500MA	75C 75C 75C	75MWF 75MWF 75MWF 75MWF 75MWF	2 M 1 2 M 4 M		75TP 150TP 100TP		RLS	CBS 0BS 0BS	ASY27 ASY27 ASY27 ASY27 ASY27	2N1305 2N1305 2N1305 2N1305 2N1305	0 0
NKT 121 NKT 122 NKT 123 NKT 124 NKT 125	P ( P ( P ( P (	105 105 105	L 04 L 04 L 04 L 04	20V 20V 20V	20 V 20 V 20 V 20 V	6V 6V 6V	500MA 500MA 500MA 500MA	75C 75C 75C	75 MWF 75 MWF 75 MWF 75 MWF	8 M 4 M 1 2 M		50MN 50MN 50MN	25M	RMS RMS RLS	NEM		2N1 30 5 2N1 30 5 2N1 30 5 2N1 30 5 2N1 30 5	0 0
NKT126 NKT127 NKT128 NKT129 NKT131	P ( P ( P ( P (	T 05 T 05 T 05	L G 4 L G 4 L G 4 L G 4 L G 4	20V 20V 20V		6V 6V	500M/ 500M/ 500M/ 500M/ 25M/	75C 75C 75C	75MWI 75MWI 75MWI 75MWI 125MWI	F 12M F 8M F 4M	1 30F	50MN 50MN 50MN	1 M / 1 M / 1 M /	A RL	S NEM	ASY27	2N1305 2N1305 2N1305 2N1305 2N2614	0
NKT132 NKT133 NKT135 NKT137 NKT139	Pri Pri	T 05	L39 L04 L04 L04	4 25 V 4 25 V 4 25 V	25) 20) 15)	25V 25V 25V	25 M/ 30 CM/ 30 CM/ 30 CM/ 30 CM/	85C 85C 85C	125MW 150MW 150MW 150MW 150MW	F 31 F 101	1 201 1 201	P 20MN P 40MN P 60MN	1 CM. 10M. 10M.	A RL A RL	S NE	ASY27	2N2614 2N1305 2N1305 2N1305 2N1305	
NKT141 NKT142 NKT143 NKT144 NKT151	P	G 105	LO: LO: LO:	4 15V 4 15V 4 15V	12 12 12	V 12V V 12V V 12V	25 N 25 N 25 M 25 M 25 M	75C 75C 75C	125MW 125MW 125MW 125MW 125MW	F 31 F 31	4 350 4 350 4 35 4 35 4 30	P 30MN P 100TP P 100TP	1 M 1 M	A RL A RL A AL A RL	A NEI	ASY27	2N1305 2N1305 2N1305 2N1305 2N2614	5 0
NKT152 NKT154/2 NKT162 NKT163 NKT163/2	5 P P	G 1022 G 1022 G 105 G 105 G 105		9 6V 2 9V 2 9V	6 9	V 6V V 9V V 9V	10M 10M 25M 25M 25M	A 75C A 75C A 75C		F 2 F 8 F 5	M 30 M 30 M 30 M 30 M 30	P 50TP P 100TP P 80TP	1 M	A RL A RL A RL	G GB A NE A NE	S ASY27 M ASY27 M ASY27	2N1305 2N1305 2N1305 2N1305 2N1305	5 ( 5 (

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		DB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
NKT164 NKT164/25 NKT202 NKT203 NKT204		105 105 1022 1022	LC2 LO2 L39 L39	9V 9V 30V 30V 30V	187	9V 9V 10V 10V	25MA 25MA 125MA 125MA 125MA	75C 75C 75C 75C 75C 75C	75MWF 75MWF 180MWF 180MWF 180MWF	-	60P	50TP 50TP 150TP 45TP 35TP	1MA 25MA 1MA	RLA RLA AMG AMG AMG	NEM OBS OBS	ASY27 ASY27 AC128 AC128 AC128	2N1305 2N1305 2N2706 2N2706 2N2706	0 0 0 0
NKT205 NKT206 NKT207 NKT208 NKT210	PG PG PG PG	T022 T022 T022 T022	L39 L39 L39 L39 L02	30V 30V 60V 30V 45V	18V 18V 45V 18V 30V	10V 10V 10V 10V 10V	125MA 125MA 125MA 500MA 500MA	75C 75C 75C 75C 90C	180MWF 180MWF 180MWF 300MWF 200MWF	500K 500K 500K 500K 500K	60P 60P	30 TP 100 TP 15 OTP 70 TP 50 MN	1MA 1MA 25MA 500MA 25MA	AMG AMG	085		2N2706 2N2706 2N2706 2N2706 2N406	00000
NKT211 NKT212 NKT213 NKT214 NKT215	PG PG PG PG	T01 T01 T01 T01 T01	L 02 L 02 L 02 L 02 L 02	32 V 32 V 32 V 32 V 32 V	187	10V 10V 10V 10V 10V	1A 500MA 250MA 250MA 250MA	90C 90C 90C 90C 90C	200MWF 200MWF 200MWF 200MWF 200MWF	500K 500K 500K 500K 500K	60P 60P 60P	50MN 50MN 50MN 30MN 15MN	300MA 50MA 1MA 1MA 1MA	AMG ALA	NEM NEM NEM NEM	AC128 AC128 AC125 AC125 AC125	2N2 706 2N 2 706 2N 406 2N 406 2N 406	0 0 0 0
NKT216 NKT217 NKT218 NKT219 NKT221	PG PG PG PG	TC1 TO1 TO1 TO1 TO5	LC2 LC2 LC2 LO2 LC4	32 V 60 V 32 V 32 V 30 V	18V 40V 18V 18V 30V	100	250MA 500MA 1A 250MA 1A	90C 90C 90C 90C 85C	200MWF 200MWF 200MWF 200MWF 300MWF	500K 500K 500K 500K 500K	60P 60P 60P	50MN 50MN 50MN 85MN 30MN	1 M A 25 M A 300 M A 1 M A 500 M A	ALS	NEM NEM	AC107N OC77N AC128 AC125 ACY17	2N11768 2N2706 2N406 2N1176	0 0 0 0
NKT222 NKT223 NKT224 NKT225 NKT226	PG PG PG PG	TC1 T05 T05 T05 T05	LC2 LO4 LO4 LO4 LC4	30V 30V 30V 30V	30 V 30 V 30 V 30 V 30 V	10V 10V 10V	500MA 500MA 500MA 500MA 500MA	85C 85C 85C 85C 85C	300MWF 300MWF 300MWF 300MWF 300MWF	500K 500K 500K 500K 500K	90P 90P 90P	50MN 50MN 30MN 15MN 50MN	25MA 1MA 1MA 1MA 1MA	1	NEM NEM NEM	AC Y17 AC Y17 AC Y17 AC Y17 AC 107N	2N1176 2N1176 2N1176 2N1176	0 0 0
NKT227 NKT228 NKT229 NKT237 NKT238	PG PG PG PG	T05 T05 T05	L04 L04 LC4 L04 LC4	60V 30V 30V 70V 50V	45 V 20 V 20 V 32 V 30 V	10V 10V 12V	500MA 1 A 500MA 1 A	85C 85C 85C 85C 85C	300MWF 300MWF 300MWF 300MWF 300MWF	500K 500K	90 P 90 P 90 P	50MN 30MN 85MN 50MN 40MN	2MA 500MA 1MA 3C0MA 3C0MA	AMG AL A AMS	NEM NEM	ACY17 ACY17 ACY17	2N1176 2N1176 2N1176 2N1176 2N1176	0 0 0 0
NKT239 NKT240 NKT241 NKT242 NKT242L	PG PG PG PG	T05 T05 T05	L04 L04 L04 L04 L04	50V 40V 40V 20V 20V		12V 12V 12V	1A 1 A 1 A 1 A	85C 85C 85C 85C 85C	300MWF 300MWF 300MWF 300MWF 300MWF	500K 500K 500K	90 P 90 P 90 P	30MN 50MN 90MN 30MN 30MN	300 MA 50MA 50MA 300MA 50MA	AL S AMS AMS	NEM NEM	ACY17 ACY17	2N1176 2N1176 2N1176 2N1176 2N1176	0 0 0
NKT242H NKT243 NKT244 NKT245 NKT261	PG PG PG	T05 T05 T05	L04 L04 L04 L04	20V 110V 32V 32V 15V	15V 40V 18V 15V 12V	12V 12V 12V	1A 1A 1A 1A 500MA	85C 85C 85C 85C 85C	300MWF 300MWF 300MWF 300MWF 300MWF	500K 500K 500K	90 P 90 P	150MN 50MN 30MN 50MN 50MN	50MA 300MA 300MA 300MA 50MA	AMS AMC	NEM NEM	ACY17 ACY17 ACY17	2N1176 2N1176 2N1176 2N1176 2N1176	0 0 0
NKT262 NKT263 NKT264 NKT265 NKT270	P G P G P G P G	T05	LC4 LC4 LO4 LO4 LC2	15V 15V	12v 12v 12v 12v 12v	5 V 5 V 5 V	250MA 500MA 250MA 250MA 125MA	85C 85C 85C 85C 90C	300MWF 300MWF 300MWF 300MWF 200MWF	500K 500K 500K		25MN 85MN 30MN		A ALA	NEM NEM	ACY17 ACY17 ACY17 ACY17 AC125	2N1176 2N1176 2N1176 2N1176 2N1176 2N406	0
NKT271 NKT272 NKT273 NKT274 NKT275	P0 P0 P0 P0	T01 T01	LC2 LO2 LO2 LO2	15V 15V 15V	15 v 15 v 15 v 15 v	5 V 5 V 5 V	500MA 250MA 500MA 250MA 250MA	90 C 90 C 90 C 90 C 90 C	200MWF 200MWF 200MWF 200MWF 200MWF	500K 500K 500K	60P 60P 60P 60P	35MN 25MN 85MN	5 C M A 1 M A 200 M A 1 M A 1 M A	A ALA	NEN NEN	AC125 AC128 AC125	2N2706 2N406 2N2706 2N406 2N406	0
NKT275J NKT278 NKT281 NKT302 NKT3C4	P( P( P( P(	T01 T01 T08	L02 L02 L02 L12	15V 32V 60V	16V 40V	5V 10V 15V	125MA 125MA 1A 2500MA 2500MA	90C 90C 85C	200MWF 200MWF 220MWF 750MWF 750MWF	500k 600k 400k		45MN	1 M 1 M 300 M 50 M 5 C M	A ALC	G NE	AC126 AC128 AC136	2N2431 2N2431 2N2706 2N1184 2N1184	0 0 8 0
NKT 351 NKT 401 NKT 402 NKT 403 NKT 404	P( P( P( P(	T03 T03 T03	L12 L05 L05 L05	90V 60V 80V	60V 32V 32V	40V 20V 40V	2500 MA 10A 10A 10A 10A	90C 90C 90C	700MWF 50WC 50WC 50WC	200k 200k 200k	(250 F (250 F (250 F (250 F	60/180 50/150	1:	A AHI	H NE	ASZ15 ASZ16 ASZ16	2N1184 2N1533 2N1536 2N1536 2N1536	0 0
NKT405 NKT406 NKT420 NKT450 NKT451	P:	G T03 G T03 G T03	FO:	60V 120V 36V	32\	20V 50V 10V	5 A 1 C A 5 A 3 A	90C 90C 90C	50W( 50W( 43W( 43W( 43W)	200H 200H 200H	(250 F (250 F (250 F (250 F (250 F	30/50 30/90 30MN	1 1 1 1	A AH A AH A AH	G NE	ASZ16 ASZ15 ASZ16	2N1536 2N1536 2N1533 2N1536 2N1536	0 0
NKT452 NKT453 NKT6C3F NKT613F NKT654	P P P	G T07 G T07	F0:	36V 7 40V 7 40V	321 201 201	10V 1V 1V	3A 3A 50MA 10MA	90C 75C 75C	43 W 43 W 80 MW 80 MW 65 MW	2001 F 601 F 401		15/45 5 50MN 40MN	1 1 1 M 1 M	A AH A RL A RL	G NE A NE A NE	M ASZ16 M AF124 M AF124	2N1536 2N1536 2N990 2N990 2N990	
NK1655 NKT656 NKT657 NKT674F NK1677F	P P P	G T072 G T072 G T07	LO	5 20 V 5 20 V 7 20 V	12 12 12	1 V 1 V 1 V	10MA 10MA 10MA 10MA	75C 75C 75C	65MW 65MW 65MW 80MW 80MW	F 401 F 401 F 401	M 31 M 31 M 31	P 60MN P 60MN	1 M 1 M 1 M	A RL	A NE	M AF124 M AF124	2N990 2N990	0 0
NKT713 NKT717 NKT732 NKT734 NKT736	N N	G T01 G T05	F0:	2 45\ 4 25\ 4 25\	30° 25° 20°	10V 25V 25V	500MA 150MA 300MA 300MA	80C 85C 85C	160MW 150MW 150MW 150MW 150MW	F 500 F 2 F 4	M 901 K 701 M 20 M 20 M 20	P 40/150 P 20MN P 40MN	50M 10M 10M	A RL	G NE S NE S NE	M AC 176	2N2430 2N1304 2N1304	0 0 4 0 4 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	Р ТОТ	F C T OE MIN MA		H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
NK 1738 NK 1773 NK 1781 NK 1782 NK 13702	NG NG NG PS	105 101 101 101 1018	L04 L02 L02 L02 L02	25 V 15 V 32 V 15 V 40 V	15V 12V 20V 12V 25V	25V 5V 5V 5V 5V	300MA 300MA 1A 1A 200MA	85C 85C 90C 90C	150MWF 150MWF 215MWF 300MWF 300MWF	500K 9 500K 9	0 P 10 P 10 P	80MN 50MN 52MN 165MN 60/300	10 MA 50 MA 5 CO MA 5 CO MA 5 CO MA	RLS ALA AMG AMG ALG	NEM NEM NEM NEM	ASY29 AC176 AC176 AC176 BC177	2N1 304 2N2430 2N2430 2N2430 2N2430 2N3965	00000
NKT 3703 NKT 3704 NKT 3705 NKT 3706 NKT 3707	PS NS NS NS	T018 T018 T018 T018	L01 L01 L01 L01	50V 50V 50V 40V 30V	30V 30V 30V 20V 30V	5V 5V 5V 5V	200MA 800MA 800MA 800MA 30MA	150C	300 MWF 360 MWF 360 MWF 360 MWF 250 MWF	100 M 1	0P 2P 2P 2P 6P	30/150 100MN 50/150 30/600 100MN	50MA 50MA 50MA 50MA 100UA	ALG AMG AMG AMG ALN	NEM NEM NEM NEM	BC177 BSX33 BSX33 BSX33 BC109	2N3965 2N731 2N731 2N731 2N930	0 0 0 0
NKT3708 NKT3709 NKT3710 NKT3711 NKT10339	NS NS NS NS	T018 T018 T018 T018	L01 L01 L01 L01 L01	30V 30V 30V 30V 45V	30V 30V 30V 30V 30V	6V 6V 6V 5V	30MA 30MA 30MA 30MA 500MA	150C 150C 150C 150C 175C	250MWF 250MWF 250MWF 25MWF 500MWF	100M 100M 100M	6 P 6 P 6 P 6 P	45/660 45MN 90/330 180MW 50/150	1MA 1MA 1MA 1MA 100MA	ALG ALG ALG ALN AMG	NEW NEW NEW NEW	BC107 BC107 BC107 BC109 BSX33	A157 A157 A157 2N930 2N731	00000
NKT10419 NKT10439 NKT10518 NKT10519 NKT12329	NS NS NS NS	T018 T018 T018 T018	L01 L01 L01 L01 L01	25V 45 V 50 V 25 V 30 V	25V 30V 45V 25V 20V	5V 5V 5V 5V 4V	100MA 500MA 200MA 100MA 500MA	175C 175C 175C 175C 175C	300MWF 500MWF 300MWF 300MWF 500MWF	50M 1 150M 4 75M	7 P 0 P 6 P 6 P 8 P	100MN 100MN 250MN 200MN 40/120	1 COUA 1 COMA 2 MA 1 OOUA 1 O MA	ALG AMG ALN ALN RMG	NEM NEM NEM NEM	BC107 BSX33 BC109 BC109 BSW64	A157 2N731 2N930 2N930 2N2222A	00000
NKT12429 NKT13329 NKT13429 NKT16229 NKT20329	NS NS NS NS	T018 T018 T018 T072 T018	L01 L01 L01 L06 L01	30 V 30 V 30 V 30 V 30 V	20 V 15 V 15 V 15 V 30 V	4 V 5 V 5 V 3 V 4 V	500MA 500MA 500MA 500MA 100MA	200C 200C	500MWF 360MWF 360MWF 200MWF 300MWF	300M 300M 600M 1	8P 5P 5P P8 8P	80/320 40/120 80/320 20MN 50MN	10MA 10MA 10MA 1MA 1COUA	RMG RLS RLS VLA ALA	NEM NEM NEM NEM	8 SW64 8 SX20 8 SX20 8 F X73 8 CY71	2N2222A 2N2369 2N2369 2N918 2N3965	0 0 0
NKT20339 NKT35219 CC20 GC22 GC23	PS NS PG PG	T018 T072 T03 T03	L01 L06 L05 L05 L05	45V 20V 100V 47V 55V	40V 15V 75V 32V 24V	1	100MA 50MA 1CA 1A	200C 200C 100C 80C 80C	400MWF 200MWF 30WH 16WH 16WH		6P IP8	40/160 20MN 25MN 50MN 50MN	10MA 1MA 1A 1A	RMG VLA AHH RHG RHG	NEM MUB OBS	BSW24 BFX73 NKT420 AL103 AL103	2N2907A 2N918	0 0 0 0
0C24 0C25 0C28 0C29 0C35	PG PG PG PG	T03 T03 T03 T03 T03	L05 L05 L05 L05	47V 40V 80V 80V 60V	32V 40V 60V 32V 32V	10V 40V 20V	14 44 84 84 84	80C 100C 100C 100C	16WH 23WH 30WH 30WH 30WF	200K20	00 P	50MN 15MN 20MN 45MN 25MN	1 A 1 A 1 A 1 A	RHG AHG AHH AHG AHG	OBS MUB MUB MUB MUB	AL 103 AS 716 AS 715 AS 716 AS 716	2N1536 2N1533 2N1536 2N1536	0 0 0
CC 36 OC 41 OC 41 N CC 42 CC 42 N	PG PG PG PG	T03 x01 T01 x01 T01	L05 L03 L02 L03 L02	8CV 16V 16V 16V 16V	32V 15V 15V 15V 15V	10V 12V 10V	8A 50MA 50MA 50MA 50MA	100C 80C 80C 80C 80C	30WH 50MWF 83MWF 50MWF 83MWF	4 M 1 4 M 1 7 M 1		30MN 35TP 20MN 70TP 40MN	1 A 50 MA 50 MA 50 MA 50 MA	AHG RLS RLS RLS RLS	MUB MUB VAL MUB VAL	ASZ16 OC44N OC44N OC44N OC44N	2N1536 2N2614 2N2614 2N2614 2N2614	0 0 0
0C43 0C43N 0C44 0C44N GC45	PG PG PG PG	X01 T01	L03 L02 L03 L02 L03	15V 15V 15V 15V 15V	12V 15V	12V 12V 12V 12V 12V	50MA 50MA 10MA 5MA 10MA	80C 80C 80C 75C 80C	80MWF 83MWF 83MWF 83MWF 83MWF		12P	100TP 50MN 100TP 45MN 50TP	1 M A	RLS	MU8 NEM	0C44N 0C44N 0C44N 0C44N 0C44N	2N2614 2N2614 2N2614 2N2614 2N2614	0 0 0 0
0C45N 0C46 GC47 CC65N 0C66N	PG PG PG PG	101 X01 X01	L02 L03 L03 L02 L02		20V 10V	15 V	5MA 125MA 125MA 10MA	E .	83MWF 83MWF 83MWF 25MWF 25MWF	4M 1 100K 4	L 2P L 2P 40P	25MN 80TP 200TP 30MN 50MN	15MA 4MA	RLA RLG ALA	VAL VAL NEM NEM	AC125	2N2614 2N2614 2N2614 2N406 2N406	0 0 0 0
GC7G CC7ON GC71 GC71N GC72	PG PG PG PG	X01 T01	L03 L02 L03 L02 L03		20 V 10 V 20 V 10 V 16 V	10V 10V	10MA 10MA 10MA 10MA	80C 75C	125MWF 125MWF 125MWF 125MWF 165MWF	200K 4 300K 3 200K 4	40P 30P 40P	15MN 20MN 30MN 30MN 30MN		ALA ALG ALA	NEM OBS NEM	AC125	2N406 2N406 2N406 2N406 2N406 2N2706	0 0 0 0
CC72N GC73 GC73N GC74 GC74N	PG PG PG PG	X01 T01 X02	L02 L02 L03 L02	32 V 20 V	16V 30V 16V 20V 10V	20V 10V 6V	125MA 10MA 10MA 300MA 300MA		125MWF 125MWF 125MWF 550MWH	300K 3	30P 40P 50P	45 MN 25 MN 30 MN 40 MN 60 MN	10MA 10MA 500UA 50MA	AL G AL A AMG	NEM OBS	AC 125 AC 125	2N406 2N406 2N406 2N2706 2N2706	0 0 0 0
GC75 CC75N GC76 GC76N GC77	PG PG PG PG	T01 X02 T01	L03 L02 L03 L02	32V 32V	20 v 10 v 32 v 16 v 60 v	10V 10V 10V	10MA 10MA 125MA 125MA 250MA	75C 75C	125MWF 125MWF 125MWF 125MWF 125MWF	200K 4 100K 4 200K 4	40P 40P 40P	55MN 60MN 30MN 45MN 45MN	80MA 10MA	ALA AMG ALG	NEM OBS NEM		2N406 2N406 2N2706 2N406 2N11768	0 0 0 0
OC77M OC77N OC78 OC78D OC78N	PG PG PG	T01 X02 X02	L04 L02 L03 L03	60V 15V 12V	60V 45V 10V 9V 12V	10V 6V 6V	125MA 125MA 70MA 10MA 200MA	80C 80C	180MWF 180MWF 500MWH 125MWF 200MWF	200K 4 200K 4 200K 4	50P 40P 40P	15 MN	125MA 125MA 70MA 3MA 2MA	ALS AMG ALG	NEM OBS OBS	0C77N AC128 AC125	2N1176E 2N1176E 2N2706 2N406 2N406	
0C79 CC79N 0C81 CC81D CC81DM	PG PG PG	T01 X02 X02	L03 L02 L03 L03	20V 32V 16V	13 V 12 V 10 V 16 V	12V 3V 3V	300MA 200MA 200MA 10MA	9 CC 9 CC 8 CC	550 NWH 200 MWH 600 MWH 150 MWH 125 MWH	500K (	60 P 70 P 40 P	25MN 50MN 20MN	5MA 125MA 100MA 5MA	ALA AMG ALG	NEM 08S	AC125 AC128 AC125	2N2706 2N406 2N2706 2N406 2N406	0 0 0 0
OC81N CC81Z GC82 CC82D GC82DM	PG PG PG	X02 X02	L02 L03 L03 L03	50V 16V 16V		10V 6V 6V	500MA 200MA 200MA 10MA	90C 80C 80C	150MWF		40P 40P	15MN 30MN	50 MA 100 MA 3 MA 3 MA 3 MA	AMH ALG ALG	0 8 S 0 B S 0 B S		2N2706 2N406 2N406 2N406	0 0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		DB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
CC83 0C83N 0C84 0C84N CC170	PG PG PG PG	T01 T01 T01 T01	L02 L02 L02 L02 L02	32V 32V 32V 32V 20V	20 V 20 V 20 V 20 V 20 V	3 V 1 CV 3 V 1 OV 1 V	500MA 1A 500MA 1A 10MA	100C 90C 100C 90C 80C	600MWH 220MWF 600MWF 220MWF 80MWF	400K	LOOP	40MN 40MN 50MN 50MN 150TP	300MA 300MA 300MA 300MA		OBS NEM OBS NEM OBS	AC128 AC128 AC128 AC128 AC128	2N2706 2N2706 2N2706 2N2706 2N2706 2N990	00000
CC171 CC200 CC201 CC202 CC203	PG PS PS PS	T07 X02 X02 X02 X02 X02	L07 L03 L03 L03 L03	20V 30V 25V 15V 60V	20 V 25 V 20 V 10 V 50 V	1 V 20 V 20 V 10 V 30 V	10MA 100MA 100MA 100MA 100MA	80C 150C 150C 150C 150C	80MWF 250MWF 250MWF 250MWF 250MWF	60M 450K 2M 1M 300K	50 P	150TP 15MN 20MN 40MN 10MN	1 M A 1 M A 1 M A 1 M A 1 M A	RLA ALA ALA ALA	CBS MUB MUB MUB MUB	AF124 BCY32 BCY32 BCY32 BCY32	2N990 2N1475 2N1475 2N1475 2N1475	0 0 0 0
0C204 0C205 0C206 0C303 CC304	PS PS PS PG	X02 X02 X02 T01A T01A	L03 L03 L03 L02 L02	32V 60V 32V 32V 32V	32V 60V 32V 15V 15V	12V 12V 12V 10V 10V	250MA 250MA 250MA 50MA 50MA	150C 150C 150C 75C 75C	300MWF 300MWF 300MWF 110MWF 110MWF	450K 450K 850K 300K 400K	50 P	10MN 10MN 16MN 26TP 65TP	150MA 150MA 15CMA 1MA 1MA	ALA ALA ALG ALG	MUB MUB M1S	BC Y32 BC Y32 BC Y32 AC 125 AC 125	2N1475 2N1475 2N1475 2N406 2N406	0 0 0 0
0C304/1 0C304/2 CC304/3 CC305 CC305/1	PG PG PG PG	TO1A TO1A TO1A	F05 F05 F05	32V 32V 32V 32V 32V	15V 15V 15V 8V 8V	10V 10V 10V 10V	50MA 50MA 50MA 50MA 50MA	75C 75C 75C 75C 75C	11CMWF 11CMWF 11OMWF 11OMWF 11OMWF	300K 400K 500K 600K 600K		40TP 65TP 100TP 200TP 150TP	1 MA 1 MA 1 MA 1 MA 1 MA	ALG ALG ALG ALG	M1 S M1 S M1 S	AC125 AC125 AC125 AC125 AC125	2N4 06 2N 4 06 2N 4 06 2N 4 06 2N 4 06	0 0 0 0
CC3C5/2 OC3O6 CC3O6/1 CC3O6/2 OC3O6/3	PG PG PG PG	T01A T01A T01A	F05 F05 F05 F05	32 V 32 V 32 V 32 V 32 V	8v 15v 15v 15v 15v	10V 10V 10V 10V	50MA 50MA 50MA 50MA 50MA	75C 75C 75C 75C 75C	11 CMWF 11 OMWF 11 OMWF 11 OMWF 11 OMWF	1M 300K 300K 400K 500K		230TP 70TP 40TP 65TP 100TP	1 MA 1 MA 1 MA 1 MA 1 MA	ALG ALG ALG ALG	MIS MIS MIS	AC125 AC125 AC125 AC125 AC125	2N406 2N406 2N406 2N406 2N406	0 0 0 0
CC307 CC307/1 CC307/2 OC307/3 CC308	PG PG PG PG	T01 T01 T01	L02 L02 L02 L02 L02	32 V 32 V 32 V 32 V 32 V	18V 18V 18V 18V	10 V 10 V	250MA 250MA 250MA 250MA 250MA	75C 75C 75C 75C 75C	11 CMWF 110MWF 110MWF 110MWF 75MWF	200K 200K 200K 200K 500K		401P 301P 401P 701P 30MN	25 CMA 25 CMA 25 CMA 25 CMA 8 CMA	A MG A MG A MG	M1S M1S M1S	AC128 AC128	2N2706 2N2706 2N2706 2N2706 2N2706 2N2706	0 0 0 0
CC309 CC309/1 OC309/2 OC309/3 CC318	PG PG PG PG	T01 T01 T01	L C 2 L C 2 L C 2 L C 2	60v	30V 30V 30V 30V 20V	10V 10V	250MA 250MA 250MA 250MA 300MA	75C 75C 75C 75C	110MWF 110MWF 110MWF 110MWF 33CMWF	200K 200K 200K 200K 500K		50TP 30TP 40TP 70TP 66TP	25 CMA 250 MA 250 MA 250 MA 80 MA	AMG AMG	M1S M1S M1S	AC128	2N2706 2N2706 2N2706 2N2706 2N2706 2N2706	0 0 0 0
EC330 CC331 CC340 GC341 CC342	PG PG PG PG	OBS OBS OBS	LC2 08S 08S 08S	7V 15V 7V	15V 7V 15V 7V 7V		35MA 30MA 35MA 30MA 30MA	750 750 750 750 750 750	75MWF 40MWF 60MWF 45MWF 45MWF	300K 400K 400K 400K 400K		16/32 20/35 70TP 20/50 50/80	5MA 1MA 1MA 1MA	AL N AL N	08S 08S	AC107N AC125 AC107N	2N4 06	0 0 0 0
CC343 OC350 CC351 OC360 CC361	PG PG PG PG	08S 08S	08S 08S 08S 08S	15V 5V	7 v 8 v 5 v 15 v 7 v		30MA 35MA 30MA 35MA 30MA	75C 75C	45MWF 60MWF 45MWF 60MWF 45MWF	600K 400K 300K		80/120 150TP 160TP 20MN 30/50		ALG ALN ALG	08S 08S	AC107N AC125 AC107N AC125 AC107N	2N406 2N406	0 0 0
0C362 0C363 CC364 CC390 CC400	PG PG PG PG	08S 08S T01A	0 E S	7V 7V 10V	7 V 7 V 7 V 5 V		30MA 30MA 30MA 40MA 40MA	75C 75C 75C	45 M N F 45 M W F 45 M W F 110 M W F	400K 1M 2M	15P 15P	50/80 50/80 50/100 40TP 75TP	1 M A 1 M A 1 M A 1 M A	ALN ALN RLG	08S 08S	AC107N AC107N AC107N OC44N OC44N		0 0 0
0C41C 0C430 CC43CK CC440 0C4405	PG PS PS PS	TO1A TC1	L C 2 L C 2 L C 2 L C 2	10V 10V 30V	10v 30v	100	5CMA	75C 150C 150C 150C 150C	11 0 M W F 20 CM W F 25 0 M W F 20 0 M W F 25 0 M W F	200K 200K 200K	30P 30P	110TP 10/25 10/25 10MN 10MN	1 M A	ALA	08S 08S 08S	CC44N BCY32 BCY32 BCY32 BCY32	2N2614 2N1475 2N1475 2N1475 2N1475	0
CC 443 CC 4435 CC 445 CC 445K CC 449	PS PS PS PS	TO1 TO14	L C 2 L C 2 L C 2 L C 2	25V 50V 50V	25 V 50 V 50 V	20V 20V 10V 10V 30V	50MA	150C 150C 150C 150C 150C	20CMWF 25CMWF 200MWF 250MWF 20CMWF	400K 200K 200K	30P 30P 30P		1MA	ALA ALA ALA	OBS OBS OBS	BCY32 BCY32 BCY32 BCY32 BCY32	2N1475 2N1475 2N1475 2N1475 2N1475	0
CC 44 9K CC 45 0 CC 45 0 K CC 46 0 CC 46 0K	PS PS PS PS	T01 A	L C 2 L C 2 L C 2 L C 2	75V 75V 10V	75 V	30 v 10 v 10 v 10 v 10 v	50MA 50MA 50MA	150C 150C 150C 150C 150C	250MWF 200MWF 250MWF 200MWF 250MWF	300K 300K 500K	3 CP 3 OP 3 OP	10/25 10/25 20/50	1MA	ALA	08S 08S 08S	BCY32 BCY32 BCY32 BCY32 BCY32	2N1475 2N1475 2N1475 2N1475 2N1475	0 0
CC463 CC453K OC465 OC465K CC466	PS PS PS	T01 T01A	LC2 LC2 LC2 LC2	10v 20v 20v	20V 20V		50MA 50MA 50MA	150C 150C 150C 150C 150C	250MWF 250MWF 200MWF 200MWF 200MWF	2M 400K 400K	30 P	50TP 20/50 20/50	1 M A 1 M A 1 M A		08S 08S	BC Y32 BC Y32 BC Y32 BC Y32 BC Y32	2N1475 2N1475 2N1475 2N1475 2N1475	0 0
CC466K OC467 OC467K OC468 OC468K	PS		L02 L02 L02 L02 L02	25V 25V 10V	25 v 25 v 10 v	10 v 20 v 20 v 10 v 10 v	50MA 50MA	150C 150C 150C 150C 150C	250MWF 200MWF 250MWF 200MWF 250MWF	600K 600K	30 P	25/60 25/60 60TP	1 M A 1 M A 1 M A	ALA ALA ALA	085 085 085	BC Y32 BC Y32 BC Y32 BC Y32 BC Y32	2N1475 2N1475 2N1475 2N1475 2N1475	0
0C469 0C469K 0C470 0C470K CC480	PS PS	TO1A TO1 TC1A TO1 TO1A	LC2 LO2 LO2 LO2	32V	32V 30V 30V	10V 10V 10V 10V	50MA 50MA	150C 150C 150C 150C 150C	200MWF 250MWF 200MWF 250MWF 240MWF	400K 500K 500K	30 P 30 P 30 P	10MN 20/70 20/70	20 M A 1 M A 1 M A		085 085 085	BC Y32 BC Y32 BC Y32 BC Y32 BC Y32 BS V68	2N1475 2N1475 2N1475 2N1475 2N3947	0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	F C MIN	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
GC48CK CC6C2/SP CC602 CC603 GC604	PS PG PG PG	T01 CBS X01 X01 X01	L02 08S L03 L03	125V 40V 22V 22V 22V	125V 12V 12V 12V 12V	10V 10V 10V	50MA 500MA 50MA 50MA	15 C C 7 5 C 7 5 C 7 5 C 7 5 C	240MWF 175MWF 80MWF 80MWF 80MWF	400K 200K 300K 250K 300K	40 P	10/25 25 TP 20/50 20/150 50/150	1MA 2MA 2MA 2MA 2MA	ALH AMG ALG ALG ALG	08S 08S C8S	BSV68 AC128 AC125 AC125 AC125	2N3947 2N2706 2N406 2N406 2N406	00000
OC6C4/SP CC612 CC613 OC614 OC615	PG PG PG PG	X01 X01 X01 X01	CBS LC3 LO3 LO3 LO3	40V 15V 15V 25V 25V	15v 15v	10 V 10 V 1 C V 1 V 1 V	500MA 100MA 100MA 50MA 50MA	75 C 75 C 75 C 75 C 75 C	175MWF 50MWF 50MWF 30MWF 30MWF	200K 2M 1M 20M 35 M		45 TP 60TP 90TP 50 TP 75 TP		AMG ALN ALN RLG RLG	OBS OBS OBS OBS	AC128 AC107N AC107N AF124 AF124	2N2706 2N990 2N990	00000
CC622 CC623 CC624 CC70C OC700A	PG PG PG PS	CBS CBS OBS TCLA TOLA	0BS 0BS 0BS LC2 LO2	15V 15V 15V 25V 15V	15V 15V 15V 25V 15V	8 V 8 V 8 V 2 5 V 1 5 V	50MA 50MA 50MA 50MA 50MA	750 750 750 1500 1500	50MWF 50MWF 50MWF 350MWF 350MWF	200K 500K 300K 200K 200K		20/50 20/150 50/140 15/45 15/45	2MA 2MA 2MA 1MA 1MA	ALN ALN ALA ALA	OBS OBS CBS OBS	AC107N AC107N AC107N BCY32 BCY32	2N1475 2N1475	00000
CC700E 0C701 0C702 0C702A CC702E	PS PS PS PS	TO1A TO1A TO1A TO1A	L02 L02 L02 L02 L02	10V 80V 25V 15V 15V	1 C v 8 C v 2 5 v 1 5 v	1 C v 30 v 25 v 15 v 15 v	50MA 50MA 50MA 50MA 50MA	150C 150C 150C 150C 150C	350MWF 350MWF 350MWF 350MWF 350MWF	200K 200K 400K 400K 400K	50P 50P 50P	15/45 25/45 45/90 45/90 45/90	1 M A 1 M A 1 M A 1 M A	ALA ALA ALA ALA		BC Y32 BSV68 BC Y32 BC Y32 BC Y32	2N1475 2N3497 2N1475 2N1475 2N1475	00000
CC703 OC703A OC704 CC81C CC311	PS PS PS PG PG	TO1A TO1A TO1A TC22 TC22	L02 L02 L02 L39 L39	80V 100V 3V 25V 25V	80V 100V 3V 20V 20V	3CV 3OV 3V	50MA 50MA 50MA 15MA 15MA	150C 150C 150C 65C 65C	350MWF 350MWF 350MWF 37MWF 37MWF	200K 200K 2M 200K 200K		10/25 10/25 30MN 10/20 20/100	1MA 1MA 1MA 2MA 2MA	ALH ALA ALG ALG	088 088	BSV68 BSV58 BCY32 AC125 AC125	2N3497 2N3497 2N1475 2N406 2N406	0000
0C812 0C813 0C814 CC815 CC816	PG PG PG PG	T022 T022 T022 T022 T022	L39 L39 L39 L39 L39	25V 25V 25V 15V 15V	2CV 20V 20V 15V 15V	÷	15MA 15MA 15MA 50MA 50MA	650 650 650 750 750	37MWF 37MWF 37MWF 80MWF 80MWF	200K 400K 200K 200K 200K		20/100 20/100 20/100 10/20 20MN	2MA 2MA 2MA 2MA 2MA	ALG ALG ALG ALC ALC	OBS OBS	AC125 AC125 AC125 AC125 AC125	2N406 2N406 2N406 2N406 2N406	0 0 0 0
OC817 CC82C CC821 CC822 CC823	PG PG PG PG	T022 T022 T022 T022 T022	L39 L39 L39 L39 L39	15V 20V 20V 30V 6CV	15 v 20 v 20 v 30 v	10v 10v 6v	50MA 150MA 150MA 250MA 250MA	75C 75C 75C 75C 75C	50MWF 150MWF 150MWF 150MWF 150MWF	200K 200K 200K 200K 200K		20MN 30TP 50TP 40TP 50TP	2MA 6MA 6MA 125MA 2MA	ALG AMG AMG AMG AMG	08S 08S 08S 08S 08S	AC125 AC128 AC128 AC128 AC128	2N4 06 2N2 706 2N2 706 2N2 706 2N2 706	0 0 0 0
OC828 EC829 CC831 OC832 OC833	PG PG PG PG	T05 T05 T03 T03	L04 L04 L05 L05 L05	30 V 60 V 2 C V 30 V 6 C V	3CV 60V 10V 10V 12V	10v 10v 10v	150MA 15CMA 1A 1A	75C 75C 75C 75C 75C	150MWF 150MWF 2WH 2WH 2WH	200K 200K		20MN 20MN 12MN 12MN 12MN	2MA 2MA 500MA 500MA 500MA	ALG ALH AHG AHG AHG	08S 08S 08S 08S 08S	AC125 OC77N ASZ16 ASZ16 ASZ16	2N4C6 2N1176B 2N1536 2N1536 2N1536	0 0 0 0 0
CC87C CC871 CC872 CC880 OC881	PG	TC1A TO1A TC1A TO5 TO5	L02 L02 L02 L04 L04	15V 15V 15V 20V 20V	1 C v 1 C v 1 G v 1 O v	10v	15MA 15MA 15MA 10MA 10MA	75C 75C 75C 75C 75C	30MWF 30MWF 30MWF 50MWF 50MWF	400K 2M 3M 8N 20*		20MN 20MN 20MN 50TP 50TP	500UA	RLG	CBS CBS	OC44N OC44N AC107N ASY27 AF124	2N2614 2N2614 2N2614 2N1305 2N990	0 0 0 0
CC882 CC883 OC1070 CC1071 OC1075	PG PG PG PG	XC1	L04 L04 L03 L03 L03	20 V 20 V 32 V 32 V 32 V	10v 10v 30v 30v 30v	6٧	10MA 10MA 50MA 50MA 50MA	75C 75C 75C 75C 75C	50MWF 50MhF 125MWF 125MhF 125MhF	30M 50M 100K 100K 100K		601P 701P 20/40 451P 901P	1 MA 1 MA 500 LA 5 C C UA 3 MA	RLG ALG ALG	08S 08S	AF124 AF124 AC125 AC125 AC125	2N990 2N990 2N406 2N406 2N406	0 0 0 0
CC603 DD603/50 DC6C4 P60C9 P7009		085 085 085 T0126 T0126		4CV 6CV 30V 25V 25V		30V 10V 10V	3A 3A 1A 1A	75C 75C 75C 150C 150C	8WC 8hC 8hC 5WC 5hC	100K 100K 100K		25MN 25MN 17TP 4000MN 4000MN	1400MA 500MA 1A 500MA 500MA	AHG AHH AHG AHC AHC	CBS CBS TIB	ASZ16 ASZ15 ASZ16	2N1536 2N1533 2N1536	0 0 0 0
PBC107 PBC1C8 PBC109 PBC182 PBC182	NS NS NS NS	TC98	L21 L21 L21 L21 L21	50V 30V 30V 60V 50V	45V 20V 20V 50V 50V	5ν	100MA 100MA 100MA 200MA 100MA	150C 150C 100C	200 MWF 20 CMWF 20 CMWF 30 CMWF 20 CMWF	60 M 60 M 60 M 150 M 60 M		125MN	1 GUA 1 GUA 2 M A	ALG ALN ALG	SES SEU	PBC107 PBC107 PBC109 PBC107 PBC107	2N5309 2N6008 2N5309	00000
PBC183 PBC184 SBC119 SE1001 SE1002	NS NS NS NS	T0105	L17	30V 30V 60V 45V 45V	30 V 30 V 30 V 45 V 45 V	6V 6V 5V 4V	100MA 100MA 500MA 100MA	150C 125C 125C	200MWF 200MWF 750MWF 200MWF 200MWF	60M 60M 40M 200M 200M	25P 4P	240MN 40/120 40/160	2MA 2MA 150MA 10MA	ALN AMG ALN	SES FCU FCU	BFY50 BC205		0 0 0 0
SE2C01 SE20C2 SE30C1 SE3CO2 SE3CO5	N S N S N S N S	10106 10106	L17 L17 L17	350	20 V 20 V 12 V 12 V 15 V	4 V 2 V 2 V	5CMA		200MWF 200MWF 200MWF 200MWF 200MWF	200M 200M 600M 600M 800M	6P 1P7 1P7	100MN 20MN 20MN	AM8	ALG VLA VLA	FCU FCU FCL	BC237 BFX73	2N5825 2N5825 2N918 2N918 2N2857	0 0 0
SE4001 SE4002 SE4010 SE6001 SE6002	N S N S N S N S	T0106	L17 L17 L04	30V 30V 40V	25 V 25 V 25 V 30 V 30 V	6 V 6 V 5 V	100MA 100MA 100MA 100MA	125C 125C 125C	20 CM NF 200MWF 200MWF 30 GM NF 30 GM WF	60M	4P 4P 25P	200MN 200MN 50/200	1 M A	ALN ALN ALG	FCU FCU	BC239	2N5825 2N5827 2N5827 2N5827 A157	0 0 0 0
SE601C SE6020 SE6021 SE6022 SE6023	NS NS	T0105 T0105 T0105 T0106	LC4 LO4 L17	60V 80V 60V	30 V 60 V 60 V 80 V	6 V 6 V	1 A	125C 125C 125C 125C 125C	350MWF 300MWF 300MWF 220MWF 220MWF	250 M 250 M 250 M	15P 15P 15P	100MN 100MN 100MN	150MA 150MA 150MA	AMG AMH AMG	FCU FCU	BFY50 BFY50 BSW66 BC337 BSW66	2N 2297 2N 2297 2N 1893 2N 5818 2N 3700	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	•	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
SE6062 SE6063 SE6562 SE6563 SE6001	NS NS PS PS NS	T0105 T0105 T0105 T0105 T05	L04 L14	25 V 20 V 60 V	25 V 20 V 25 V 20 V 30 V	4 v 4 v 5 v	1A 1 A 600MA 600MA	125C 125C 125C 125C 125C 200C	75CMWF 75CMWF 75CMWF 75CMWF 80CMWF	60 M 60 M 30 M 30 M	30 P 60 P 60 P	50/200 50/200 50/200 50/200 20MN	500MA 350MA 500MA 350MA 150MA		FCU FCU FCU	BFY50 BFY50 BFS95 BFS95 BFY50	2N2297 2N2297 2N4036 2N4036 2N2297	0 0 0 0
SE80C2 SE8041 SE8042 SE8510 SE852C	NS NS NS PS	105 1039 1039 105 10105	LC4 LO4 LC4 LO4 LC4	80V 30V 30V 60V	40V 30V 30V 60V 60V	5V 6 V 6 V 6 P 6 V	1A 1A 1A 600MA	200C 200C 200C 125C 125C	80CMhF 800MhF 1WF 800MWF 30CMWF	40 M 130 M 130 M 100 M 100 M	12P 12P 20P	40/120 40/540 40/540 40/200 40/200	150MA 150MA 150MA 100MA 10MA	AMG AMG AMG AMG AMG	FCU FCU	BFY50 BFY50 BFY50 BFS93 BFS93	2N2297 2N2297 2N2297 2N2297 2N4037 2N4037	0 0 0 0
SE8521 SE8541 SE8542 SFT106 SFT107	PS PS PG PG	T0105 T05 T039 T01 T01	LC4 LC4 LO4 LO2 LC2	60V 30V 30V 12V 12V	60V 30V 30V 12V 12V	6 V 5 V 5 V 1 2 V 1 2 V	600MA 1A 1A 50MA 50MA	125C 200C 200C 75C 75C	20CMWF 800MWF 1WF 80MWF 8CMWF	100M 100M 100M 2M 4M		100MN 40/150 40/150 40/150 50TP	1 CMA 15 CMA 150 MA 1 MA	AMG	FCU FCU MIS	BFS93 BFS93 BFS93 OC44N OC44N	2N4037 2N4037 2N4037 2N2614 2N2614	0 0 0
SFT108 SFT115 SFT116 SFT119 SFT120	PG PG PG PG	T01 08S 08S 08S 08S	08S 08S 08S 08S	12V 40V 25V 25V 25V	12 V	12 V 1 V 1 V 1 V 1 V	5CMA 1 GMA 1 GMA 1 GMA 1 GMA	75C 85C 85C 85C 85C	80MWF 120MWF 120MWF 120MWF 120MWF	7M 20M 20M 20M 20M	12P	60TP 60TP 60TP 60TP 60TP	1 MA 1 MA 1 MA 1 MA	RLG RLG RLG RLG RLG	OBS OBS CBS	OC44N AF124 AF124 AF124 AF124	2N2614 2N990 2N990 2N990 2N990	0 0
SFT121 SFT122 SFT123 SFT124 SFT125	PG PG PG PG	X01 X01 X01 T05 T05	L03 L03 L04 L04	24V 24V 24V 24V 24V	12V 12V 12V 30V 20V	12V 12V 12V	250MA 250MA 250MA 500MA 500MA	75C 75C 75C 75C 75C	150MWF 150MWF 150MWF 350MWF 350MWF	200K 200K 200K 500K 1M		30TP 50TP 80TP 30TP 7CTP	100MA 100MA 100MA 250MA 250MA	AMG AMG AMG AMG AMG	OBS OBS	AC128 AC128 AC128 ACY17 ACY17	2N2706 2N2706 2N2706 2N1176 2N1176	0
SFT125F SFT126 SFT127 SFT128 SFT130	PG PG PG PG	105 105	104 104 104 104 085	30V 24V 24V 24V 24V	15V 15V 15V 15V 30V	12V 12V 12V	500 MA 250 MA 250 MA 250 MA 500 MA	75C 85C 85C 85C 75C	350MWF 150MWF 150MWF 150MWF 550MWF		14P 12F 10P	70TP 40TP 50TP 60TP 30TP	250MA 1MA 1MA 1MA 250MA	AMG RLG RLG RLG AMG	08S 08S	0C44N	2N1176 2N2614 2N2614 2N2614 2N1176	0
SFT131 SFT131P SFT141 SFT142 SFT143	PG PG PG PG	OBS OBS OBS	08S 08S 08S 08S L04	24V 30V 45V 45V 45V	20V 15V 20V		500MA 500MA 250MA 250MA 500MA	750 750 850 850 850	55 CMWF 55 OMWF 20 CMWF 20 OMWF 35 OMWF	750 K 1 M 500 K 600 K 200 K		701P 701P 321P 501P 301P	250MA 250MA 1MA 1MA 250MA	AMG AMG AMG AMG	08S 08S 08S	AC128 AC128	2N1176 2N1176 2N2706 2N2706 2N1176	
SFT144 SFT145 SFT146 SFT150 SFT151	PG PG PG PG	CBS OBS OBS	LC4 OBS OBS OBS LC3	45 V 45 V 45 V 80 V 24 V	20 V 20 V 20 V 40 V 1 2 V	25V 25V 4CV	500MA 500MA 500MA 3A 150MA	100J 100J 85C	35CMWF 55CMWF 550MWF 35WC 150MWF	300K 200K		60TP 30TP 60TP 50TP 30TP	25CMA 25CMA 25CMA 1A 1MA	AMG AMG AHG	08 S 08 S 08 S	ACY17 ACY17 ACY17 ASZ16 AC125	2N1176 2N1176 2N1176 2N1536 2N406	
SFT152 SFT153 SFT155 SFT162 SFT163	PG PG PG PG	X01 X01 T044	L03 L03 L36 L36	35V 70V	12 v 12 v		150MA 150MA 1CMA 1CMA 10MA	75C 85C	15CMWF 150MWF 120MWF 240MWF 12CMWF	300K 40M 30 M	3 P 3 P	50TP 80TP 60TP 50MN 70MN	1 M A 6 M A	ALG RLG	OBS OBS OBS	AC125 AC125 AF124 AF124 AF124	2N406 2N406 2N990 2N990 2N990	
SFT171 SFT172 SFT173 SFT174 SFT184	PG		085 085 085 085 LC4	30V 30V 30V	20 v 20 v 20 v 20 v 15 v	1 V 1 V 1 V	25MA 25MA 25MA 25MA 100MA	85C 85C 85C	100MWF 100MWF 100MWF 100MWF 150MWF	125M 125M 125M	4 P 4 P	50TP 50TP 70TP 60TP 60MN	2MA 2MA	VLA VLA	ORS ORS	AF124 AF124 AF124 AF124 ASY29	2N990 2N1930 2N990 2N1990 2N1304	
SFT186 SFT212 SFT211 SFT213 SFT214	NS PG PG PG	103 103 103	LC4 L05 LC5 L05	30V 8CV 40V	60V 30V 40V	7V 40V 20V	3 A	85C 85C	800MWF 3CWC 45WC 45WC	200K		40TP 10/20 30/100 20/150 20/150	24	AH G	MIS MIS MIS	BF Y65 ASZ16 ASZ15 ASZ16 ASZ16	2N199C 2N1536 2N1533 2N1536 2N1536	
SFT221 SFT222 SFT223 SFT226 SFT227	PG PG PG PG	T039	LC4 LC4 LC4 LC4	30V 30V 40V	20V 32V	15V 15V 15V 24V 18V	250MA 250MA 250MA 250MA 250MA	85C 85C 85C	225MWF 225MWF 225MWF 150MWF	800K 1M 3M	50 P	30TP 50TP 60/160 25MN 35MN	100MA 100MA 15CMA 1CMA	AHG RLS	MIS SEU MIS	AC Y17 AC Y17 AC Y17 AC Y17 AS Y27 AS Y27	2N1176 2N1176 2N1188 2N1305 2N1305	
SFT228 SFT229 SFT232 SFT233 SFT234	P G P G P G P G	105 105 105	LC4 LC4 LC4 LC4	18V 40V 60V	30V 40V	12V 20V	250MA 250MA 1A 1A	85C 85C 85C	15 CM WF 15 CM WF 45 CM WF 45 CM WF	12M 200K 200K		50MN 75MN 40TP 40TP 40TP	10MA	AMG	MIS MIS MIS	ASY27 ASY27 ACY17 ACY17 ACY17	2N1305 2N1305 2N1176 2N1176 2N1176	
SFT234A SFT237 SFT238 SFT239 SFT240	PG PG PG	T05 T03 T03	L04 L04 L05 L05	15V 40V 60V	60v 15v 30v 40v 60v	9 V 20 V 30 V	100 MA 100 MA 6 A 6 A	85 C 85 C 85 C	45WC			30MN 100TP 20/30 20/30 20/30		RLS AHO	MIS MIS MIS	ACY17 ASY27 ASZ16 ASZ16 ASZ16	2N1176 2N1305 2N1536 2N1536 2N1533	
SFT241 SFT242 SFT243 SFT250 SFT251	PO	T05	L C 4 L C 4 L C 4 L C 5 L C 4	45V 60V 80V	30 v 35 v 60 v	25V 25V	500MA 500MA 500MA 150MA	85 C 85 C 85 C	225MWF 225MWF 225MWF 45WC 225MWF	1 800K	1 40P	20/150	100MA 100MA 100MA 2A 1MA	AMC	MIS MIS	ACY17 ACY17 ASZ16 ASZ15 ACY17	2N1176 2N1176 2N1176 2N1533 2N1176	
SF1252 SF1253 SF1264 SF1265 SF1266	PO	T05 T036 T036	L 04 L 04 L 13 L 13	30 V 30 V 40 V	20 V 15 V 40 V	15V 15V 15V 2CV 4OV	150MA 150MA 154 154	85C 85C 85C	87WC			50TP 80TP 25/100 25/45 25/45	1 M A 1 M A 5 A 5 A	AHO AHO	G M I S G M I S G M I S	ACY17 ACY17 ADZ12 ACZ12 ACZ12	2N1176 2N1176 2N1100 2N1100 2N1100	

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		)B MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
SF1267 SF1268 SF1288 SF1298 SF1306	PG PG PG PG	1036 1036 1039 105 101	L13 L13 L04 L04 L02	80 V 100 V 24 V 30 V 18 V	60V 70V 12V 20V 12V	6CV 80V 12V 20V 12V	15A 15A 500MA 500MA 100MA	85C 85C 85C 85C 85C	87WC 87WC 150MWF 150MWF 150MWF	6 M	20 P 25 P 1 2P	25/45 25/45 40/100 35MN 28TP	5A 5A 400MA 35CMA 1MA	AHG AHG RMS AMS RLS	MIS MIS MIS MIS	ADZ12 ADZ12 ASY27 ASY27 OC44N	2N1100 2N1100 2N1305 2N1305 2N1305	00000
SFT 307 SFT 308 SFT 315 SFT 316 SFT 317	PG PG PG PG	T01 T01 T044 T044 T01	L02 L02 L36 L36 L02	18V 18V 40V 20V 20V	12V 12V 24V	12V 12V 1V 1V 1V	100MA 100MA 10MA 10MA	85C 85C 85C 85C 85C	150MWF 15CMWF 12CMWF 12CMWF 15OMWF		12P 12P 3P 3P 4P	40TP 70TP 80TP 120TP 100TP	1 M A 1 M A 1 M A 1 M A 1 M A	RLS RLS RLA RLA	MIS MIS MIS MIS	OC44N OC44N AF124 AF124 AF124	2N2614 2N2614 2N990 2N990 2N990	00000
SFT319 SFT320 SFT321 SFT322 SFT323	PG PG PG PG	T01 T01 T01 T01	F 05 F 05 F 05 F 05	20V 20V 24V 24V 24V	18v 18v 18v	1V 1V 12V 12V 12V	10MA 10MA 250MA 250MA 250MA	85C 85C 85C 85C 85C	150MWF 150MWF 200MWF 200MWF 200MWF	15M 20M 700K 700K 1M		50TP 80TP 30TP 50TP 85TP	1MA 1MA 1 COMA 1 COMA 100MA	RLG RLG AMG AMG AMG	MIS MIS MIS MIS	AF124 AF124 AC125 AC128 AC128	2N990 2N990 2N406 2N2706 2N2706	0 0 0 0
SFT325 SFT335 SFT337 SFT351 SFT352	PG PG PG PG	TO1 TO1 TO1 TO1 TO1	F05 F05 F05 F05	24V 32V 15V 24V 24V	16 v 15 v	12V 9 V 12V 12V	500MA 150MA 100MA 150MA	85C 85C 85C 85C 85C	500MWF 200MWF 150MWF 200MWF 200MWF	1 M 1 M 500 K 500 K	50P 50P	70TP 60/150 100TP 30TP 50TP	250 MA 1 MA 1 MA 1 MA 1 MA	AMG ALG ALG ALG ALG	MIS MIS MIS MIS	AC128 AC125 AC125 AC125 AC125	2N2706 2N406 2N406 2N406 2N406	0 0 0
SFT353 SFT354 SFT357 SFT357P SFT358	PG PG PG PG	TO1 TC44 TO44 TO44	L02 L36 L36 L36 L36	24V 20V 20V 30V 20V	100	12V 1V 1V 1V 1V	150MA 1CMA 10MA 10MA	85 C 85 C 85 C 85 C 85 C	2G0MWF 120MWF 120MWF 120MWF 120MWF	1 M 40 M 40 M 40 M 40 M	50 P 3P 3P 4P 3P	80TP 120TP 120TP 180TP 120TP	1 M A 1 M A 1 M A 1 M A 1 M A	ALG RLA RLA RLA RLA	MIS MIS MIS MIS	AC125 AF124 AF124 AF124 AF124	2N406 2N990 2N990 2N990 2N990 2N990	0 0 0
SF367 SFT377 SFT445 SFT918 TF49	PG NG NS NS PG	T01 T01 T05	L02 L02 L04	16V 16V 80V	16 v 16 v 60 v	10 V 10 V 5 V	1A 600MA 500MA 300MA	850 850 1750 750	250MWF 250MWF 800MWF 75MWF	1M 1M 100M	8P 25P	75 TP 50 TP 40 TP 45 MN	1 MA 3 G C MA 20 MA	AMG AMG RMG DUA RLG	MIS SEU	AC128 AC176 BSW54 OC44N	2N2706 2N2430 2N2219A 2N2614	0 0 0 0 0
1F65/30 1F65 1F66 1F66/30 1F66/60	PG PG PG PG	XC1 XO1 TO1A TO1A	L03 L02 L02 L02 L02	32V 16V 16V 32V 64V	.24 v 12 v 12 v 24 v 45 v		15MA 15MA 300MA 300MA 300MA	750 750 750 750 750 750	25MWF 25MWF 150MWF 150MWF 150MWF	400K 400K 800K 800K 800K	35P 65P 65P	45TP 45TP 45TP 45TP 45TP	2MA 2MA 5MA 5MA 5MA	ALG ALG AMG AMG AMG	SIC SID SID SID	AC125 AC125 AC128 AC128 AC128	2N406 2N406 2N27J6 2N2706 2N2706	00000
1670 1671 1672 1675 1677	NG NG NG PG	TC22 TO22 TO22 OBS OES	L37 L37 L37 OBS OBS	6CV 6OV 6CV	3CV 30V 30V 13V 16V	6 V 6 V	25MA 25MA 25MA 250MA 600MA	750 750 750 750 750 750	200MWF 200MWF 200MWF 250MWH 500MWF	200K 200K 200K		10MN 16MN 50MN 30TP 23TP	1 MA 1 MA 1 MA 2 C MA 5 C MA	ALG ALG ALG AMG AMG	S I D S I C S I D	AC176 AC128	2N2430 2N2430 2N2430 2N2706 2N2835	0 0 0 0
TF77/3C TF78 TF78/3C TF78/60 TF80/3C	PG PG PG PG	08S 108 108 108 108 08S	08S L12 L12 L12 L12 J8S	32V 16V 32V 64V 32V	32 v 16 v 24 v 45 v 30 v	5 V	600MA 600MA 600MA 600MA 2500MA	750 750 750 750 750	500MWF 500MWF 500MWF 500MWF 12WC	1		32TP 22TP 22TP 22TP 45MN	250MA	AMG	SID	AC162 AD162 AD162 AD162 AD162 AD162	2N2835 2N2835 2N2835 2N2835 2N2835 2N2835	0 0 0 0
1F80/6C TF8C/80 TF9C/30 TF9C/6C T1407	PG PG PG PG	CBS	08S 08S 08S 08S 08S L21	64V 8CV 32V 64V 30V	45V 80V 32V 64V 12V		25COM A 3A 15A 15A 30MA	750 750 750 750 1250	12WC 12hC 25hC 25WC 200MWF			45MN 15MN 25TP 25TP 30MN	15△	AHG AHG	S10 S10 S10	AC162 AC162 ASZ16 ASZ16	2N2835 2N2835 2N1536 2N1536	0 0 0 0
T14C8 T14C9 T1486 T1487 T13027		T 092 T 05 X 26	L21 L21 L04 L59 L05	30V 3CV 80V 80V 45V	12V 12V 60V 60V 45V	I .	1 A 1 A	125C 125C 200C 200C 100C	200MWF 200MWF 1WF 2WF 150WC	25M 25M		20MN 20MN 20/80 20/80 40/250	4 M A 2 C C M A 2 O O N A	RMG	118 118 118	AS716	2N1536	0 0 0
T13C28 T13C29 T13O3C T13O31 T1P29	PG PG PG PG	TC3 TO3	L 05 L 05 L 05 L 05 L 32	60V 80V 100V 120V 40V	50 v 55 v 60 v 65 v 40 v	2 C V	7A 7A 7A	1000 1000 1000 1000 1500	150 WC 150 WC 150 WC 150 WC 30 WC	200K		40/250 40/250 40/250 40/250 40/200	3A 3A 3A 2COMA	AHH AHH AHH	811 611 811	ASZ16 ASZ15 ASZ15 BC589	2N1536 2N1533 2N1533 2N6123	0 0 0 0
T1P29A T1P29E T1P29C T1P30 T1P3CA	NS NS NS PS	10P66 10P66	L32 L32 L32	60 V 80 V 10 0 V 40 V 60 V	60V 80V 100V 40V 60V	5 V 5 V 5 V 5 V	1 4	150C 150C 150C	30%C 30%C 30%C 30%C 30%C	3 ₩		40/200 40/200 40/200 40/200 40/200	200MA 200MA 200MA 200MA 200MA	AMH AMH AMG	118 118	8D589 8D589 8D539 8D590 8D590	2N6123 2N6123 2N6123 2N6126 2N6126	0 0 0 0
TIP3CB TIP3OC TIP31A TIP31 TIP31B	PS PS NS NS	TOP66 TOP66 TOP66	L32 L32 L32	80V 100V 60V 4CV 80V	80 V 100 V 60 V 40 V 80 V	5 V 5 V 5 V 5 V	3 4	150C 150C 150C	30WC 30WC 40WC 40WC 40WC	3 M		40/200 40/200 20/100 20/100 20/100	1 A	AMH AHG	TIB	BES89	2N6126 2N6126 2N6123 2N6123 2N6123	0 0 0 0
TIP31C TIP32 TIP32A TIP32B TIP32C	NS PS PS PS	10P66 10P66 10P66	L32 L32 L32	4CV 60V 8CV	100V 40V 60V 80V 100V	5 V	3 A 3 A	150C 150C 150C 150C 150C	4 CW C 4 CW C 4 OW C 4 OW C 4 OW C	3M 3N 3N 3M 3M		20/100 20/100 20/100 20/100 20/100		AHG AHH AHH	TIB	BC589 BD590 BD590 BD590 BD590	2N6123 2N6126 2N6126 2N6126 2N6126	0 0 0 0
11P33 T1P33A T1P338 T1P33C T1P34	N.S	1		40V 60V 80V 100V 40V	40V 60V 80V 100V 40V	5V 5V 5V	10A 10A 10A	150C 150C 150C 150C 150C	80WC 80WC 80WC 80WC	3 M 3 M 3 M		20MN 20MN 20MN 20MN 20MN	3A 3A	AHH AHH AHH	T18 T18	BDX73 BDX73 BDX73 BDX73 BDX78	2N6101 2N6101 2N6101 2N6101 2N6134	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	I C MAX	T J MAX	P TOT	F C T OB Min Max	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
TIP34A TIP34E TIP34C TIP35 TIP35A	PS PS PS NS	TCP3 TCP3 TOP3 TOP3 TOP3	L34 L34 L34 L34 L34	6CV 80V 100V 4CV 6CV	60v 80v 100v 40v 60v	5 V 5 V 5 V 5 V	10 A 25 A	150C 150C 150C 150C 150C	80WC 80WC 80WC 90WC 90WC	3M 3M 3N 3M 3N	20MN 20MN 20MN 10MN 10MN	3A 3A 3A 15A	AHH AHH AHG AHG AHH	118 118 118 118	BDX78 BDX78 BDX78 BDX75 BDX75	2N6134 2N6134 2N6134 2N6103 2N6103	0 0 0 0
TIP358 TIP35C TIP36A TIP36B	NS NS PS PS PS	TOP3 TOP3 TOP3 TOP3	L34 L34 L34 L34 L34	80V 1CCV 4CV 60V 8CV	80V 100V 40V 60V 8CV	5 V 5 V 5 V 5 V	25A 25A 25A	150C 150C 150C 150C 150C	90WC 90WC 90WC 90WC 90WC	3M 3M 3N 3N 3M	10MN 10MN 10MN 10MN 10MN	15A 15A 15A 15A 15A	AHH AHG AHH AHH		BCX75 BCX75	2N6103 2N6103	0 0 0 0
TIP36C TIP41 TIP41A TIP41B TIP41C	PS NS NS NS	TOP 3 TOP 66 TOP 66 TOP 66 TOP 66	L32	100V 4CV 6CV 80V 100V	100 v 40 v 60 v 80 v 100 v	5 V 5 V 5 V 5 V	25A 6A 6A 6A	1500	9 CWC 2WF 2 hF 2 hF 2WF	3M 3N 3N 3N 3M	10MN 15/75 15/75 15/75 15/75	15A 3A 3A 3A 3A	AHH AHG AHH AHH AHH	TIB TIB	BCX73 BCX73 BDX73 BCX73	2N6101 2N6101 2N6101 2N6101	0 0 0
11P42 11P42A 11P42B 11P42C 11P110	PS PS PS PS	TOP 66 TOP 66 TOP 66 TOP 66	L32 L32 L32	40V 6CV 8CV 100V 60V	40V 60V 80V 100V 60V	5V 5V 5V 5V	6A 6A 6A 2A	1500 1500 1500 1500 1500	2 WF 2 WF 2 WF 2 WF 5 CWC	3 M 3 M 3 M 3 M	15/75 15/75 15/75 15/75 750MN	3A 3A 3A 3A 2A	AHG AHH AHH AHC	T18 T18	BDX78 BDX78 BDX78 BDX78	2N6134 2N6134 2N6134 2N6134	0 0 0 0
TIP111 TIP112 TIP115 TIP116 TIP117	NS NS PS PS	TCP66 TOP66 TOP66 TOP66 TOP66	L32 L32 L32	8CV 100V 6CV 8CV 100V	80v 100v 60v 80v 100v	5V 5V 5V 5V	2A 2A 2A 2A 2A	150C 150C 150C 150C 150C	50%C 50WC 50WC 50WC 50WC		750MN 750MN 750MN 750MN 750MN	2 A 2 A 2 A 2 A	AHD AHD AHD AHD	118 118			0 0 0
T	NS NS NS PS	TOP66 TOP66 TOP66 TOP66 TOP66	L32 L32 L32	60V 80V 100V 60V 80V	60V 80V 100V 000 80V	5 V 5 V 5 V 5 V	5A 5A 5A 5A	1500 1500 1500 1500 1500	60 HC 60 HC 60 HC 60 HC		1000NN 1200NN 1000NN 1000NN	3 A 3 A 3 A 3 A	AHE	T18 T18			0 0 0
TIP127 TIP14C TIP141 TIP142 TIP145	PS NS NS NS PS	TOP 3 TOP 3 TOP 3	L32 L34 L34 L34 L34	100v 60v 80v 100v 60v	100v 60v 80v 100v 60v	5 V 5 V 5 V 5 V	5A 10A 10A 1CA	150C 150C	60WC 125WC 125WC 125WC 125WC		100CMN 500MN 500MN 500MN 500MN	10A 10A 10A 10A	AHD	118 118			0000
TIP146 TIP147 TIP2955 TIP3054 TIP3C55	PS PS PS NS	TOP 3	L34 L34 L34 L32 L34	100V 90V	ECV 10CV 60V 90V 70V	5 V 5 V 7 V 7 V 7 V	1 C A 1 C A 1 5 A 4 A 1 5 A	150C 150C 150C	125WC 125WC 9CWC 40WC •90WC	3 N 3 N 3 M	500MN 500MN 20MN 25/100 20/70	10 A 1 C A 4 A 5 G O M A 4 A	AHH AHH	TIB	BD214/ BC589	2N6123	0 0 0
TIS18 TIS25-27 TIS34 TIS37 TIS38	NS FE FE PS		L21	25V 35V 35V	13v 32v 32v	6 V		125C 125C 125C	200MWF 200MWF 200MWF	600M 19 50M 1P 80M 1P	7 45 MN	10 M A	DUA FET	TIB		2N918	0 0
11542 11543 11544 11545 11546	FE LJ NS NS	1092 1092	L21 L21 L21	40 V	15 V 15 V		ZOOMA	125C 125C 125C	250MWF 250MWF 250MWF	300M 6	F 20MN P 30/120 P 30/120	1 C M A 1 C M A 1 O M A	RMS	T18		2N 79 6 2N 708 2N 914	0 0
T1S47 T1S48 T1S49 T1S50 T1S51	NS NS NS PS	T092 T092 T092	L21 L21 L21 L21 L21	40 V 40 V	15 V 15 V 15 V 20 V	4V5 4V5 4V	200MA 200MA 200MA 200MA 200MA	125C 125C 125C	25 CMWF 25 CMWF 25 CMWF 25 OMWF 25 OMWF	500M 4 500M 4 400M 6	P 20/60 P 40/120 P 40/120 P 40/150 P 30/120	10MA 1 CMA 1 CMA 3 OMA 10MA	VMS VMS	118 118		2N2368 2N2369 2N2369 2N2894 2N3011	0 0
11552 11553 11554 11555 11556	NS PS PS NS	T092 T092 T092	L 21 L 21 L 21 L 21 L 06	12V	20 v 12 v 6 v 15 v 20 v	4V 4V 5V	80 MA 200MA	125C 125C 125C 125C 125C	250MWF 250MWF 250MWF 250MWF 200MWF	500M 3F 500M 3F 350M 9	5 30/120 P 30/120	3CMA 1 CMA 1 CMA 3 OMA 4 MA	ULS ULS	TIE	3	2N3014 2N3639 2N3640 2N3646	0
T1557 T1558-59 T1560 T1560M T1561	NS FE NS NS	T092	L C 6 L 2 1 L 2 1 L 2 1	40V 40V	20 \ 25 \ 25 \ 25 \	5 V 5 V		125C 125C	20 CMWF 300MWF 300MWF 300MWF		20MN 100MN 100MN 100MN	4 M A 50 M A 50 M A 50 M A	FET AMO	TIE	3		0 0
TIS61M TIS62 TIS63 TIS64 TIS73	PS NS NS	X10 X10 X10	L21 L20 L20	30V	25\ 12\ 12\ 12\	3 V 3 V	30M	125C 125C 125C 125C	300MWF 200MWF 200MWF 200MWF	500M 1F	20MN	50MA 4MA 4MA	FRN	1 T I S	BF185 BF185 BF185		0 0
TIS74 TIS75 TIS78-79 TIS84 TIS86	FE FE NS	x10	L 19		1 .			125C 125C	250MWF		30MN 45 40/200	4 M E	FE'	T TIE	B BF200		0 0
TIS87 TIS90 TIS90M TIS91 TIS91M	NS NS PS	10.92 1092	L21	40V 40V 40V	401	5V 5V 5V	400M/ 400M/ 400M/	1 25C 1 50C 1 150C 1 150C 1 150C	400MWF 625MWF 625MWF 625MWF 625MWF	:	40/200 100MN 100MN 100MN 100MN	50MA 50MA	AMA AMO	G T I f		2N3704 2N3704	- 1

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	F C T O MIN M	B IAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ıss
T1S92 T1S92M T1S93 T1S93M T1S108	NS NS PS PS	X10 X10 X10	L20 L20 L20 L20 L20	40V 40V 40V 40V	40V 40V 40V 40V 30V	5V 5V 5V 5 V	400MA 400MA 400MA 400MA 50MA	150 C 150 C 150 C 150 C 150 C	625MWF 625MWF 625MWF 625MWF 250MWF	350M (	0R4	100MN 100MN 100MN 100MN 25MN	50MA 50MA 50MA 50MA 4MA	AMG AMG AMG AMG TIG	TIB TIB TIB TIB	BF167		00000
TK2C TK208 TK20C TK21 TK218	PG PG PG PG	X18 X18 X18	L38 L38 L38 L38 L38	30V 30V 30V 30V	12 v 12 v 12 v 20 v 20 v	30 V 30 V 30 V 30 V 30 V	50MA 50MA 50MA 100MA	750 750 750 750 750 750	200MWF 200MWF 200MWF 200MWF 200MWF	3 M 3 M 3 M 1 M 1 M		20/100 20/100 20/100 15MN 15MN	1MA 1MA 1MA 20MA 20MA	ALG ALG ALG ALG ALG	08S 08S 08S 08S	AC128 AC128 AC128 AC125 AC125	2N2706 2N2706 2N2706 2N2706 2N406 2N406	00000
TK21C TK23 TK23A TK23C TK24	PG PG PG PG	X18 X18 X18	L38 L38 L38 L38 L38	30 V 40 V 40 V 40 V 30 V	20 v 30 v 30 v 30 v 20 v	30 V 20 V 20 V 20 V 30 V	100MA 100MA 100MA 100MA 200MA	75C 75C 75C 75C 75C	200MWF 200MWF 200MWF 200MWF 200MWF	1M 500K 500K 500K 2M		15 MN 30 MN 30 MN 30 MN 35 TP	20MA 20MA 20MA 20MA 40MA	ALG ALG ALG ALG AMG	08S 08S 08S 08S 08S	AC125 AC125 AC125 AC125 AC128	2N406 2N406 2N406 2N406 2N2706	0 0 0 0
TK24C TK24B TK25 TK25B TK25C	PG PG PG PG	X18 X18 X18	L38 L38 L38 L38 L38	30V 30V 20V 20V 20V	20 V 20 V 6 V 6 V	30V 30V 20V 20V 20V	200MA -200MA 250MA 250MA 250MA	75C 75C 75C 75C 75C	200MWF 200MWF 200MWF 200MWF 200MWF	2M 2M 6 M 6 M 6 M		35TP 35TP 20/150 20/150 20/150	40MA 40MA 1MA 1MA 1MA	AMG AMG RMG RMG RMG	08 S 08 S 08 S 08 S 08 S	AC128 AC128	2N2706 2N2706	0 0 0
1K28 TK28C TK30 TK30D TK31	PG PG PG PG	X18 X18 X18	L38 L38 L38 L38	26 V 26 V 30 V 30 V 20 V	25V 25V 10V 10V 5V	30V 20V	100MA 100MA 100MA 100MA 100MA	75C 75C 75C 75C 75C	200 MWF 200 MWF 200 MWF 200 MWF 200 MWF	3 M 3 M 6 M		30MN 30MN 20/100 20/100 20/150	15MA 15MA 1MA 1MA 1MA	ALG ALG RMG RMG RMG	OBS OBS	AC125 OC44N OC44N	2N406 2N406 2N2614 2N2614 2N2614	0 0 0 0
TK31D TK33 TK33C TK34 TK34C	PG NG NG PG PG	X18 X18 X18	L38 L38 L38 L38 L38	20V 30V 30V 20V 20V	5V 12V 12V 6V 6V	15V 20V 20V 15V 15V	100MA 50MA 50MA 50MA 50MA	75C 75C 75C 75C 75C	200 MWF 100 MWF 100 MWF 100 MWF 100 MWF	6 M 3 M 3 M 6 M 6 M		20/150 20/100 20/100 25/200 25/200	1 M A 1 M A 1 M A 1 M A 1 M A	RMG RLG RLG RLG RLG	08 S 08 S 08 S	AC176 AC176 OC44N	2N2614 2N2430 2N2430 2N2614 2N2614	0 0 0 0
TK35 TK35C TK36 TK36C TK37	PG PG PG PG	X18 X18 X18	L38 L38 L38 L38	16V 16V 16V 16V 16V	10V 10V 10V 10V 10V	12V	100MA 100MA 100MA 100MA	75C 75C 75C 75C 75C 75C	200MWF 200MWF 200MWF 200MWF 200MWF	2 N 2 N 4 M 4 M 7 M		20/85 20/85 25/110 25/110 30/135	1 MA 1 MA 1 MA 1 MA 1 MA	RLG RLG RLG RLG RLG	08S 08S 08S 08S	0 C44N 0 C44N 0 C44N	2N2614 2N2614 2N2614 2N2614 2N2614	0 0 0
TK37C TK38 TK38C TK40 TK40A	PG PG PG PG	X18 X18 X18	L38 L38 L38 L38 L38	16V 16V 16V 40V 40V	10V 10V 10V 20V 20V		100MA 100MA 100MA 100MA	75C 75C 75C 75C 75C	200MWF 20CMWF 200MWF 200MWF 200MWF	7 M 12 M 12 M 1 M 1 M		30/135 50/185 50/185 17/90 17/90	1 MA 1 MA 1 MA 1 MA 1 MA	RLG ALG ALG RLG RLG	08S 08S 08S 08S 08S	0C44N 0C44N	2N2614 2N2614 2N2614 2N2614 2N2614	0 0 0 0
TK40C IK41 TK41C IK42 TK42C	PG PG PG PG	X18 X18 X18	L38 L38 L38 L38 L38	40V 40V	20 V 20 V 20 V 15 V 15 V	30V 30V 30V	100MA 100MA	75C 75C 75C 75C 75C	200MWF 200MWF 200MWF 200MWF 200MWF	1 M 1 M 1 M 1 M		17/90 20/55 20/55 45/150 45/150		RLG RLG RLG RLG RLG	08S 08S C8S	0C44N 0C44N 0C44N	2N2614 2N2614 2N2614 2N2614 2N2614	0 0 0 0
TK44C TK45 TK45C TK46 TK46C	PG PG PG PG	X18 X18 X18	L38 L38 L38 L38 L38	40V	40V 15V 15V 10V 10V	30 V 30 V 20 V	100MA 100MA 100MA 100MA	75C 75C 75C 75C 75C	150MWF 200MWF 200MWF 200MWF 200MWF	2M 1M 1 M 400K 400K		38/54 45/150 45/150 15MN 15MN	1 MA 1 MA 1 MA 5 MA 5 MA	RLG ALG ALG ALG	CBS CBS CBS	AC125 AC125	2N2614 2N406 2N406 2N406 2N406	0 0 0 0
TK47 TK47C TK43C TK49C TK70	PG PG PG NG	X18 X18 X18	L38 L38 L38 L38 L04		10V 10V 20V 10V 25V	29V 40V	100MA 100MA 250MA	75C 75C 75C 75C 150C	200 MWF 200 MWF 150 MWF 100 MWF 325 MWF	300K 300K 300K 4M		20MN 20MN 15MN 15MN 30MN	5 M A 5 M A 2 5 O M A 1 M A 3 M A	ALG ALH ALG ALG	OBS OBS OBS	AC125 OC77 N	2N406 2N406 2N11766 2N2430 2N2297	0 0 0
TK70A TK71 TK71A TK72 TK72A	NS NS NS NS	T05 T05 T05	L04 L04 L04 L04 L04		20V 20V 20V 12V 12V	20V 20V 15V		150C 150C 150C 150C 150C	325 MWF 325 MWF 325 MWF 325 MWF 325 MWF	1 M		30MN 10MN 10MN 10MN 10MN	3ME 3MA 3MA 4ME AME	ALG ALG ALG ALG	CBS OBS	BFY50 BFY50 BFY50	2N2297 2N2297 2N2297 2N2297 2N2297 2N2297	0 0 0
TK200 TK200A TK201 TK201A TK202A	NS NS NS NS	T03 T03 T03	L05 L05 L05 L05 L05	40V 40V 40V	20V 20V 20V 20V 20V	6V 6V		150C 150C 150C	2500MWF 2500MWF 2500MWF 2500MWF 2500MWF	50 M 75 M 75 M	48 P 47 P 47 P	8MN 16MN 16MN	200MA 200MA 200MA 200MA 200MA	AHG AHG AHG	08S 08S 08S	BDY20 BDY20 BDY20	2N3055 2N3055 2N3055 2N3055 2N3055	0 0 0
TK2G3A TK25CA TK251A TK252A TK253A	NS NS NS	T05 T05	L05 L04 L04 L04 L04	40V 40V 40V	20 V 20 V 20 V 20 V 20 V	6V 6V	1500MA 250MA 250MA 500MA 500MA	150C 150C 150C	2500MWF 500MWF 500MWF 600MWF	50M 100M 50M		16 MN 8 MN 20 MN 20 MN 10 MN	2 COMA 2 CMA 2 CMA 2 CMA 2 CMA	RMG RMG AMG	08S 08S 08S	BFY50 BSW54 BFY50	2N3055 2N2297 2N2219/ 2N2297 2N2219/	0
TK254A TK255A TK256A TK257A TK258A	NS NS NS	T018 T018 T018	L04 LC1 L01 L01 L01		25 V 15 V 15 V 20 V 12 V		100MA 100MA 100MA 100MA	150C 150C 150C	600MWF 300MWF 300MWF 300MWF	100M 100M 150M		25MN 15/60 25/120 25MN 10/60	20MA 10MA 10MA 10MA	RLG RLG RLG	0 8 S 0 8 S		2N2219/ 2N2222/ 2N2222/ 2N2222/ 2N2222/	4 0 4 0
TK259A TK264A TK400A TK401A TK402A	NS PG PG	T018	L C 1 L C 1 L C 5 L C 5 L C 5		12 v 25 v 15 v 40 v 40 v		100MA 10A 10A	90C 90C	24 W C			20/120 64TP 8/15 8/20 20/50	10MA 10MA 5A 5A	AL G AHG	08 S 08 S 08 S		2N2222 A157 2N1536 2N1536 2N1536	0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	F C MIN	0B	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
TK403A X4101 X4102 X4111 X4112	PG PG PG PG	08S 08S 101	L05 L03 L03 L02 L02	20V 20V 20V 20V	60V 16V 16V	12V 6V 12V 6V	7A 10MA 5CMA 10MA 5CMA	90C 65C 65C 65C	24 kC 120 MWF 6 C MWF 120 MWF 60 MWF	100K 2M 4M 2M 4M	14P 12P 14P 12P	8/20 35TP 6CTP 35TP 6OTP	5A 1MA 1MA 1MA	AHG RLG RLG RLG RLG	CES OBS OBS	ASZ16 OC44N OC44N OC44N OC44N	2N1536 2N2614 2N2614 2N2614 2N2614	0 0 0 0
x4121 x4122 x4123 x4124 x4126	PG PG PG PG	107 107 107	L 07 L 07 L 07 L 07 L 07	25 V 25 V 25 V 25 V 25 V		1 V 1 V 1 V 1 V	10MA 10MA 10MA 10MA	85C 85C 85C 85C 85C	80MWF 80MWF 80MWF 80MWF 80MWF	20 M 20 M 20 M 20 M 20 M	3P 3P 3P 3P 3P	60TP 60TP 60TP 60TP 60TP	1 M A 1 M A 1 M A 1 M A 1 M A	RLG RLG RLG RLG	08S 08S 08S	AF124 AF124 AF124 AF124 AF124	2N990 2N990 2N990 2N990 2N990	0 0 0 0
XA131 XA141 XA142 XA143 XA151	PG PG PG PG	T05 T05 T05	L36 L04 LC4 L04 OBS	30V 30V 30V 30V 20V	1V 1 V 1 V 16 V	1 v	1CMA 1GMA 1GMA 1GMA	85 C 85 C 85 C 85 C 85 C	12 CMWF 120MWF 120MWF 120MWF 60MWF	50M 20M 30M 50M	3P 3P 3P 3P	6CTP 45TP 45TP 45TP 9OTP	1 M A 5 M A 5 M A 5 M A 1 M A	RLG RLG RLG RLG RLG	08S 08S 08S	AF124 AF124 AF124 AF124 OC44N	2N990 2N990 2N990 2N990 2N2614	0 0 0
XA152 XA161 XA162 XB102 XB103	PG PG PG PG	105 105 085	085 L04 L04 L03 L03	20 v 1 3 v 1 3 v 1 6 v 1 6 v	16 v 12 v 12 v 12 v 12 v	12 V 4 V 4 V 12 V 12 V	20MA 20MA	65C 85C 85C 55C	60MWF 150MWF 150MWF 90MWF 90MWF	20M 30M	2P 2P	40TP 50TP 50TP 20/44 45/100	1 MA 1 C MA 10 MA 1 MA	RLG RLG RLG ALG ALG	08S 08S 08S	OC44N AF124 AF124 AC125 AC125	2N2614 2N990 2N990 2N406 2N406	0 0 0
X81C4 X8112 X8113 X8114 X8121	PG PG PG PG	TC1 TO1 Ces	LC3 LC3 LC3 LC3	20V 16V 16V 20V 105V	16v 12v 12v 16v 16v	12V 12V 5CV	100MA	55C 55C 55C 55C 65C	90MWF 90MWF 90MWF 90MWF 50MWF			471P 20/44 45/100 471P 601P	1 M A 1 M A 1 M A 1 M A 1 M A	ALG ALG ALG ALG	CBS CBS CBS	AC 125 AC 125 AC 125 AC 125 OC 77N	2N406 2N406 2N406 2N406 2N11766	00000
XC101 XC121 XC131 XC141 XC142	PG PG PG PG	TO1 TC1 TO3	L03 L02 L02 L05 L05	35V 35V 35V 40V 60V	20 v 16 v 16 v 40 v 40 v	12V 12V 12V	20CMA 200MA 20CMA 3A 3A	750 750 750 900 900	165MWF 250MWF 250MWF 65WC 65WC			66TP 74TP 74TP 60TP 60TP	1MA 200MA 200MA 700MA 700MA	AMG AMG AMG AHG	08S 08S	AC128 AC128 AC128 ASZ16 ASZ16	2N2706 2N2706 2N2706 2N2706 2N1536 2N1536	0 0 0
XC155 XC156 XC171 XC7J3 XC7L3	PG PG PG NS	T03 T01 T018	LC5 LC5 LC4 LC1 LC4	80V 10CV 26V 60V 60V	50 v 65 v 16 v 40 v 40 v	6 V 1 2 V	10A 10A 400MA 1500MA 1500MA	100C 75C 175C	5 C N C 50 N C 45 C M W F 4 N C 4 N C	400K 400K 1M 1M		20/50 20/50 72TP 15/75 15/75	4A 4CCMA 2CCMA 2OOMA	AHH AHG AMG AMS AMS	08S 08S 08S	ASZ15 ASZ16 AC128 BSX33 BFY50	2N1533 2N1536 2N2706 2N731 2N2297	0 0 0
XC723 XP43 XF43A XP43B XS101	NS NS NS NS PG	E01 E01 E01	L05 L05 L05 L05 UES		40 v 60 v 80 v 100 v 12 v	101	6A 6CA 6CA		376C 3006C 3006C 3006C 9066E	2 M 2 M 2 M 2 M	1 C P	10/50 50/150 50/150 50/150 18MN	150 CMA 10A 10A 1CA 100 MA	AHH AHH AHH	118 118	00139		0 0 0
2120 2121 2122 2123 2124	٨s		LC4 LC4 LC4 LO4		20 v 20 v 45 v 45 v 45 v	6V	50MA	1750 1750 1750 1750 1750	350MWF 350MWF 350MWF 350MWF 350MWF	70 N 70 M 70 M 70 M 70 N	8 F 8 P 8 P 8 P		10 MA	ALG ALG ALG	FEB FEB	BFY50 BFY50 BFY50 BFY50 BFY50	2N2297 2N2297 2N2297 2N2297 2N2297	0 0 0
2140 2141 2142 2143 2144	AS AS AS AS	TC18 TO18 TO18	LC1 LC1 LC1 LC1	20V 20V 45V 45V 45V	20 v 20 v 45 v 45 v 45 v	6 V 6 V	50MA 5CMA	1750 1750 1750 1750 1750	30CMWF 300MWF 300MWF 30CMWF	70M 70M 70M 70M 70M	8P 8P 8P 8P		1 CMA 1 CMA 1 OMA 1 OMA 1 CMA	ALG ALG ALG		BC 107	A157 A157 A157 A157 A157	0 0 0
Z160 Z161 Z162 Z163 Z164	NS NS NS NS	105 105 105	LC4 LC4 LC4 LC4 LC4	45V 45V 60V	25 v 35 v 35 v 45 v 45 v	4√ 4√ 5√	50CMA 50CMA 50CMA 500MA 50GMA	175C 175C 175C	EUOMWE 800MWE 800MWE EOCMWE 80CMWE	120M 120M 120M	3P 8P 3P 8P	75/250 38/85	1 C M A 1 O M A 1 O M A 1 C M A	AMG	FEB FEB FEB FEB	8FY50 8FY50 8FY50	2N2297 2N2297 2N2297 2N2297 2N2297	0000
Z 166 Z 167 Z 168 Z 169 Z 130	NS NS NS	105 105 105	LC4 LO4 LC4 LC4 LC1	25V 100V	80 v 25 v 80 v 70 v 25 v	5∀ 5∨	500MA 500MA 500MA 500MA 500MA	175C 175C 175C	BOOMWE BOOMWE BOOMWE BOOMWE BOOMWE	120 M 120 M 120 M	8 P 3 P		10MA 10MA 1CMA 1CMA	AMG AMG	FE8 FE8	BFY50 BSW66 BFY50	2N1893 2N2297 2N1893 2N2297 2N731	
ZT81 ZT82 ZT33 ZT34 ZT84	NS NS NS NS	T018	LC1 LC1 LC1 LC1		35 V 35 V 45 V 45 V 80 V	5 √ 5 ∨	500MA 500MA 500MA 500MA 500MA	175C 175C 175C	300MWF 300MWF 300MWF 300MWF	150 M 150 M	8 P 3 P	75/250 38/85 75/170	10 MA 10 MA 1 C MA 1 O MA	AMG AMG	FEB FEB	BSX33 BSX33 BSX33 BSX33 BSX21	2N731 2N731 2N731 2N731 2N731 2N1990	0000
ZT87 ZT88 ZT99 ZT90 ZT91	NS NS NS NS	T018 T018 T05	LC1 LC1 LC1 LC4 LC4	70V	25V 80V 70V 60V 100V	5 V 5 V 6 V		175C	300MhF 300MhF 300MwF 1w 1h	150M 150M 6JM	8 P	75/170 75/250 60/200	10 MA 1 GMA 1 CMA 20 CMA 20 CMA	AMG AMG	FEB FEB	BSX33 BSX21 BSX33 BFY50 BSW66	2N731 2N1990 2N731 2N2297 2N1893	0 0 0
ZT92 ZT93 ZT94 ZT95 ZT110	NS NS NS NS	TO 5 TO 5	LC4 LC4 LC4 LO4	120V 60V 60V	100v 80v 45v 60v 25v	6V	1 1 1	175C 175C	1 w 1 w 1 h 1 a 30 CM hF	60M 60M 60M	15P 15P 15P	30/200	200MA 150MA 200MA 350MA 10MA	AMG AMG	FEB FEB	BSW66 BSW66 BFY50 BFY50 BSX33	2N1893 2N1893 2N2297 2N2297 2N231	0 0 0
ZT111 ZT112 ZT113 ZT114 ZT116	NS NS		L01 L01 L01	45V 60V 60V	35 V 35 V 45 V 45 V 80 V	4 V 5 V 5 V	50CMA 500MA 50CMA 500MA 500MA	175C 175C 175C	300MWF 300MWF 300MWF 300MWF 300MWF	150M 150M 150M	15P 15P 15P	75/250	1.CMA 10MA 10MA	AMG	FER FER	BSX33 BSX33 BSX33 BSX33 BSX21	2N731 2N731 2N731 2N731 2N731 2N1990	0000

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		)B MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
ZT117 ZT118 ZT119 ZT131 ZT132	NS NS NS NS	T046 T046 T018	L01 L01 L01 L01	25 V 10 0 V 70 V 75 V 100 V	25V 80V 70V 55V 75V	4V 5V 5V 3 V 3 V	500MA 500MA 500MA 50MA 50MA	175C 175C 175C 165C 165C	300 MWF 30 CMWF 30 CMWF 30 CMWF 30 CMWF	150 M 150 M 70 M	15P	75/170	10MA 10MA 10MA 3MA 3MA	AMG AMH AMH ALG ALH	FEB FEB FEB FEB	BSX21 BSX33 BSX33	2N731 2N1990R 2N1990R 2N731 2N1990R	0
ZT153 ZT152 ZT180 ZT181 ZT182	PS PS PS PS	1018	L01 L01 L01 L01 LC1	35 V 20 V 25 V 45 V	35V 20V 25V 35V 35V	25V 15V 4V 4V 4V	500MA 500MA 500MA 500MA 500MA	1750 1750 1750 1750 1750	300MWF 300MWF 300MWF 300MWF 300MWF	30M 150M 150M	15P	50/200	10MA 10MA 10MA 10MA 10MA	AL G ALG AMG AMG AMG	FEB FEB FEB FEB		NIL NIL 2N2907A 2N2907A 2N2907A	0
ZT183 ZT184 ZT187 ZT189 ZT190	PS PS PS NS	T018 T018 T018 T018	L01 L01 L01 L01	45V 45V 25V 70V 20V	45V 45V 25V 70V 15V	4V 4V 4V 5V	500MA 500MA 500MA 200MA 200MA	175C 175C 175C	300MWF 300MWF 300MWF 300MWF	150M 150M 150M	15P 15P 15P	75/250	10MA 10MA 10MA 10MA 10MA	AMG AMG AMG AMG RL G	FEB FEB FEB FEB	BSW24 BSW24 BSW24 BSW24 BSW64	2N2907A 2N2907A 2N2907A 2N2907A 2N2222A	0
ZT191 ZT192 ZT193 ZT202 ZT202P	NS NS NS NS	T018 T018 T018 T05 T05	L01 L01 L01 L04 L04	20V 40V 40V 30V 30V	20 V 20 V 20 V 20 V 20 V	5 V 5 V 5 V 5 V 4 V	200MA 200MA 200MA 50MA 500MA	1750 1750 1750 1750 1750	300MWF 300MWF 300MWF 300MWF 300MWF	300M 300M 70M	10P 10P 10P 8P 8P	35TP 38/120 75/200 18MN 18MN	1 0MA 1 0MA 1 0MA 10MA 10MA	RLG RLG RLG ALG AMG	FEB FEB FEB FEB	BSW64 BSW64 BSW64 BFY50 BFY50	2N2222A 2N2222A 2N2222A 2N2297 2N2297	0
Z12C3 Z12O3P Z12O4 Z12O4P Z121O	NS NS NS PS	T05 T05 T05 T05 T05	L04 L04 L04 L04 L04	30 V 30 V 30 V 30 V 60 V	20V 20V 20V 20V 40V	5 V 4 V 5 V 4 V 7 V	50 MA 500 MA 50 MA 50 MA 1 A	1750 1750 1750 1750 1750	300MWF 300MWF 300MWF 300MWF 1WF	70M 70M 70M	8P 8P 8P 8P 20 P	38MN 38MN 78MN 78MN 20/100	10MA 10MA 10MA 10MA 150MA	ALG AMG ALG AMG AMG	FEB FEB	BFY50 BFY50 BFY50 BFY50 BFS95	2N2297 2N2297 2N2297 2N2297 2N4036	0 0 0 0
ZT 211 ZT 280 ZT 281 ZT 282 ZT 283	PS PS PS PS	T046 T046 T046	L04 L01 L01 L01	90 V 2 5 V 45 V 45 V 45 V	65V 25V 35V 35V 45V	7 V 4 V 4 V 4 V	1A 500MA 500MA 500MA 500MA	1750 1750 1750 1750 1750	1 WF 300MWF 300MWF 300MWF 300MWF	150M 150M 150M		38/162 83/162	15 CMA 10 MA 10 MA 1 CMA 1 CMA	AMG AMG AMG AMG	FER FEB FEB	8FS95 8SW24 8SW24 BSW24 BSW24	2N 4036 2N 2907A 2N 290 7A 2N 290 7A 2N 290 7A	0
ZT 284 ZT 287 ZT 402 ZT 402 P ZT 403	PS PS NS NS	T046 T018 TC18	L01 L01 L01 LC1 LC4	45 V 25 V 30 V 30 V	45V 25V 20V 20V 20V	4V 4V 5V 4V 5V	500MA 500MA 50MA 500MA 50MA	1750 1750 1750 1750 1750	300MWF 300MWF 300MWF 300MWF 300MWF	150 N 70 M 70 M	15P 15P 8P 8P 8P		10 MA 10 MA 10 MA 10 MA 10 MA	AMG AMG AMG AMG	FEB FEB		2N2907A 2N2907A A157 2N731 A157	1
ZT403P ZT404 ZT404P ZT60C ZT696	NS NS NS	T018 T018 T05	L01 L04 L04 L01 L04	30V 30V 30V 24V 60V	20V 20V 20V 20V 40V	4V 5V 4V 5V	500MA 50MA 500MA 1A 500MA	175C 175C 175C	300MWF 300MWF 300MWF 800MWF	70 M 70 M 25 O M	8P 8P 8P 12P 30P	78MN 78MN	10MA 10MA 10MA 15CMA 15CMA	AMG ALG AMG RMG AMG	FEB FEB	BC107 BSX33	2N731 A157 2N731 2N2219A 2N2297	0 0 0 0
Z1697 Z1706 Z1706A Z1708 Z1709	NS NS NS	TC18 TO18 TO18	L04 LC1 LC1 LC1 L01	60V 25 V 25 V 40 V 15 V	40V 20V 20V 20V 6V	5 V	500MA 200MA 200MA 200MA	1750 1750 1750	500MWF 300MWF 300MWF 360MWF 300MWF	200M 200M MC0E	10P	20MN 20/60 30/120	150MA 10MA 10MA 10MA	ALG ALG ALG	FEB FEB	BFY50 BSX33 BSX33 BSX33 BSX20	2N2297 2N731 2N731 2N731 2N731 2N2369	00000
ZT1479 ZT1480 ZT1481 ZT1482 ZT1483	N S N S N S	T05 T05 T05	£04 £04 £04 £04	60 V 100 V	40V 55V 40V 55V 40V	12V 12V 12V	1500MA 1500MA 1500MA 1500MA 3A	200C 200C 200C	5 W C 5 W C 5 W C 5 W C 25 W C	1M 1M 1M		20/60 20/60 35/100 35/100 20/60	2 C G M A 2 C C M A 2 O G M A 2 O G M A 7 5 O M A	AMG AMH	FEB FEB	BSW66 BFY50 BSW66	2N2297 2N1893 2N2297 2N1893 2N4877	0 0 0 0
211484 211485 211486 211487 211488	NS NS NS	T05 T05 T05	L C 4 L C 4 L C 4 L C 4	60V 10CV 60V	55 V 40 V 55 V 40 V 55 V	12 V 12 V 12 V	3A 3A 3A 6A	200C 200C 200C	25W0 25W0 25W0 70W0 70W0	1 M 1 M 1 M	:	20/60 35/100 35/100 15/45 15/45	750MA 750MA 750MA 1500MA 1500MA	AHG AHG AHG	FEB FEB	85V64 85V64 85V64	2N4877 2N4877 2N4877 2N4877 2N4877	0 0 0 0 0
ZT1489 ZT1490 ZT1702 ZT1711 ZT1613	NS NS NS	T05 T03 TC5	L04 L04 L05 L04	100V 60V 75V	40V 55V 40V 30V	12 V	6A 6A 5A 1A 500MA	200C 200C 200C	7040 7040 7540 80044 80044	1M 300K 70M	25 P 25 P		1500MA 1500MA 800MW 150MA 150MA	AHG AHG AMG	FEB	BSV64 BDY20 BFY50	2N4877 2N4877 2N3055 2N2297 2N2297	0 0 0
ZT1700 ZT1701 ZT1708 ZT2015 ZT2016	NS NS NS	108 1046 1036	LC4 L12 L01 L13 L13	60V 25V 100V	40V 40V 20V 50V 65V	3V 10V	1A 2500 MA 200 MA 1CA 10A	200C 175C 200C	5W( 25W( 300MWF 150W( 150W(	500 K 200 M 500 K	20P 6P	20/80	100MA 300MA 10MA 5A	AHG VLS AHG	FEB	ZT1486 BSX20 ZT2016	2N2369 2N2016	0 0 0
ZT2102 ZT2205 ZT2206 ZT2270 ZT2368	NS NS NS	1018 1046 105	L04 LC1 L01 LC4 LC1	25V 25V 60V	60V 12V 12V 45V 15V	3V 3V 7V	1A 200MA 200MA 1A 500MA	175C 200C	30 CM WF 30 CM WF 30 CM WF 36 OM WF	200 M 200 M 60 M	6 P 6 P 4 P	40/120 50/200	10MA 10MA 10MA 15CMA 15CMA	RLS RLS AMG	FEB FEB	BSX20 BSX20 BFY50	2N1893 2N2369 2N2369 2N2297 2N2369	0 0 0
Z12369 Z12369A Z12475 Z12476 Z12477	NS NS NS	TC18 TO18 TO5	L01 L01 E01 L01	40V 15V 60V	6 V 20 V	4V 4V 5V	500MA		360 MWF 360 MWF 500 MWF 600 MWF	500M 600M 250M	3P 10P	40/120 30/150 20MN	10MA 10MA 20MA 15CMA 150MA	VLS ULS RMS	FEB FEB	BSX20 BSX20 BSW54	2N2 369 2N2 369 2N2 369 2N2 219/ 2N2 219/	0
212708 212857 412938 213420 213421	N :	T072 T018 T05	106 106 101 104	30V 25V 85V	13V 60V	2 V 5 V 8 V	3 4			1000M 500M 40M	4P 20P	50MN 10/60	_	VLS AHG	FEE FEE	BFY90 BSX20	2N918 2N2857 2N2369 2N4877 2N4877	

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	Р ТОТ		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
Z13440 Z13441 Z13442 Z1X107 Z1X107	NS NS	T05 T066 T03 X11 X11	L04 L43 L05 L23 L23		250V 140V 140V 45V 45V	7 V 7 V 7 V 5 V	1A 3A 10A 100MA	200C 200C 200C 125C 125C	1WF 25WC 117WC 300MWF 300MWF	20M 200K 150M 150M	5 P 5 P	40/160 20/80 20/70 125MN 125MN			FEB	BF259 BDY72 BDX11 BC347A BC347A	2N3 441 2N3 442 2N3 903 2N3 903	0 0 0 0
ZTX107AK ZTX107AL ZTX107AM ZTX107B ZTX107BK	NS NS	X11 X11 X11 X11 X11	L24 L25 L26 L23 L24	60V 60V 60V 60V	45V 45V 45V 45V 45V	5 V 5 V 5 V 5 V	100MA 100MA 100MA 100MA 100MA	125C	300MWF 30CMWF 30CMWF 30CMWF 300MWF	150M 150M 150M 150M 150M	5 P 5 P 5 P 5 P	125MN 125MN 125MN 240MN 240MN	2MA 2MA 2MA 2MA 2MA	ALG ALG ALG ALG ALG	FEB FEB	BC237 BC237 BC347A BC347A BC237	2N5825 2N5825 2N3903 2N3903 2N5825	0 0 0 0
2TX107BL 2TX107BM 2TX107C 2TX107CK 2TX107CL	NS NS NS NS	X11 X11 X11 X11 X11 X11	L25 L26 L23 L24 L25	60V 60V 60V 60V	45V 45V 45V 45V	5 V 5 V 5 V 5 V	100MA 100MA 100MA 100MA 100MA	125C 125C	300MWF 300MWF 300MWF 300MWF 300MWF	150 M 150 M 150 M 150 M 150 M	5 P 5 P 5 P 5 P	240MN 240MN 450MN 450MN 450MN	2MA 2MA 2MA 2MA 2MA	ALG ALG ALN ALN ALN	FEB FEB	BC237 BC347A BC349C BC239 BC239	2N5825 2N3903 2N3904 2N5827 2N5827	00000
ZTX1C7CM ZTX107K ZTX1C7L ZTX107M ZTX108	NS	X11 X11	L26 L24 L25 L26 L23	60V 60V 60V 60V 45V	45V 45V 45V 45V 30V	5V 5V 5V 5V	100MA 100MA 100MA 100MA 100MA	125C 125C 125C	300MWF 300MWF 300MWF 300MWF 300MWF	150M 150M 150M 150M	5P 5P 5P 5P	450 MN 125 MN 125 MN 125 MN 125 MN	2MA 2MA 2MA 2MA 2MA	ALN ALG ALG ALG ALG	FEB FEB	8C349C BC237 BC237 BC347A BC347A	2N3904 2N5825 2N5825 2N3903 2N3903	0 0 0
ZTX1C8P ZTX1C8P ZTX1C8P ZTX1C8P	NS NS NS NS	×11 ×11 ×11	L24 L25 L26 L25 L23	45V 45V 45V 45V 45V	30v 30v 30v 30v 30v	5 v 5 v 5 v 5 v 5 v	100MA 100MA 100MA 100MA	125C	300MWF 300MWF 300MWF 300MWF 300MkF	150M 150M 150M 150M 150M	5P 5P 5P 5P	125MN 125MN 125MN 125MN 125MN	2 M A 2 M A 2 M A 2 M A 2 M A	ALG ALG ALG	FEB	BC237 BC237 BC347A BC237 BC237	2N5825 2N5825 2N3903 2N5825 2N5825	0 0 0 0
ZTX1C8AK ZTX108AL ZTX108B ZTX108BK ZTX108BL	NS NS NS NS	X11 X11 X11 X11 X11	L24 L26 L23 L24 L25	45V 45V 45V 45V 45V	30V 30V 30V 30V 30V	5 V 5 V 5 V 5 V	100MA 100MA 100MA 100MA 100MA	125C 125C 125C	300MWF 300MWF 300MWF 300MWF 300MWF	150M 150M 150M 150M 150M	5P 5P 5P 5P	125MN 125MN 240MN 240MN 240MN	2MA 2MA	ALG ALG ALG	FER FEB	BC347A BC347A BC347A BC237 BC237	2N3903	0 0 0
ZTX108BM ZTX108C ZTX108CK ZTX1C8CL ZTX1C8CM	NS NS NS NS		L26 L23 L24 L25 L26	45V 45V 45V 45V 45V	30 v 30 v 30 v 30 v	5 V 5 V 5 V 5 V	100MA 100MA 100MA 100MA	125C 125C	300MWF 300MWF 300MWF 300MWF 300MWF	150M 150M 150M 150M	5P 5P 5P 5P	240MN 450MN 450MN 450MN 450MN	2 M A 2 M A 2 M A 2 M A 2 M A	ALN ALN ALN		BC349C BC239	2N3904 2N5827 2N5827	0 0 0
ZTX109 ZTX109K ZTX109K ZTX109M ZTX109B	NS NS NS	X11 X11 X11	L23 L24 L25 L26 L23	45V 45V 45V 45V 45V	30V 30V 30V 30V 30V	5V 5V 5V 5V 5 V	100MA 100MA 100MA 100MA	125C 125C 125C	300MWF 300MWF 300MWF 300MWF 300MWF	150 M 150 M	5 P 5 P	240MN 240MN 240MN 240MN 240MN	2MA 2MA 2MA 2MA	ALN ALN ALN ALN	FEB FEB	BC239	2N5827 2N5827 2N3904	0 0 0 0
ZTX105BK ZTX109BL ZTX109BM ZTX109C ZTX109CK	NS NS	X11 X11 X11 X11 X11	L24 L25 L26 L23 L24	450	30V 30V 30V 30V 30V	5 V 5 V		125C	30CMWF 30CMWF 30CMWF 300MWF 300MWF	150M 150M	5 P 5P 5 P	240 MN 240 MN 240 MN 450 MN 450 MN	2MA 2MA	ALN ALN ALN	FEB FEB	BC 239 BC 239 BC 349C BC 349C BC 239	2N5827 2N5827 2N3904 2N3904 2N5827	0000
ZTX1C9CL ZTX1C9CM ZTX114 ZTX114K ZTX114L	NS NS NS NS	X11 X11 X11	L 25 L 26 L 23 L 24 L 25	45V 30 V 30 V	30V 30V 25V 25V	6 V	100MA 100MA 100MA 100MA	125C 125C	30CMWF 30CMWF 300MWF 300MWF 300MWF	150M 150M 150M	5 P 5 P 5 P	450 MN 450 MN 200 MN 200 MN 200 MN	2MA 2MA 2MA	ALN ALN	FEB FEB		2N5827 2N3904 2N3904 2N5827 2N5827	0
ZTX114M ZTX212 ZTX212K ZTX212L ZTX212M	NS PS PS PS	×11 ×11 ×11	L26 L23 L24 L25 L26	60V 60V 60V	25V 50V 50V 50V 50V	5 V 5 V 5 V	200MA 200MA	125C 175C 175C 175C 175C	30CMWF 50CMWF 500MWF 500MWF 50CMWF	200M 200M 200M	10P 10P 10P	60/400 60/400	2 M A	ALG ALG	FEB FEB	BC3490 BC350A BC307 BC307 BC307		0 0
ZTX212A ZTX212AK ZTX212AL ZTX212AM ZTX212B		×11	L23 L24 L25 L26 L23	6CV 60V	50 v 50 v 50 v 50 v	5 V 5 V 5 V	200MA 200MA 200MA	175C 175C 175C 175C 175C	500MWF 500MWF 500MWF 500MWF 500MWF	200M 200M 200M	10P 10P 10P 10P	125MN 125MN 125MN	2 M A 2 M A 2 M A 2 M A 2 M A	ALG ALG	FER FER	BC 30 7		0 0
Z T X 2 L 2 R K Z T X 2 L 2 B L Z T X 2 L 2 B M Z T X 2 L 3 K Z T X 2 L 3 K	P S P S P S	×11 ×11 ×11	L24 L25 L26 L23 L24	60V 60V 45V	50 v 50 v 50 v 30 v 30 v	5V 5V 5V	200MA 200MA 200MA	175C 175C 175C 175C 175C	500MWF 500MWF 500MWF 500MWF 500MWF	200M 200M 200M	10P 10P 10P 10P 10P	200MN 200MN 80/550	2 M A 2 M A 2 M A 2 M A	ALG	FEB FEB	BC307 BC307 BC3504 BC3504 BC307		0 0
ZTX213L ZTX213M ZTX213A ZTX213AK ZTX213AL	P S P S P S	×11 ×11	L25 L23 L24	45V 45V 45V	30 V 30 V 30 V 30 V	5V 5V 5V	200M4 200M4 200M4	175C 175C 175C 175C 175C	500MWF 500MWF 50CMWF 50CMWF	2001 2001 2001	1 1 CP 2 1 CP 2 1 CP 2 1 CP	80/550 125MN 125MN	2 M A 2 M A 2 M A 2 M A 2 M A	ALG ALG ALG	FEE	BC3504		0 0
ZTX213AM ZTX213B ZTX213BK ZTX213BK ZTX213BL ZTX213BM	P 5 P 5	X11 X11 X11	L26 L23 L24 L26	45V 45V 45V		5V 5V 5V	200MA 200MA	175C 175C 175C 175C 175C	50 CMWF 50 OMWF 50 OMWF 50 OMWF	2001 2001 2001	4 10P	200MN 200MN 200MN	2M/ 2M/ 2M/ 2M/ 2M/	ALC ALC ALC	FEE	BC350A BC350A BC307 BC307 BC350A		0
2TX213C 2TX213CK 2TX213CL 2TX213CM 2TX214	PS	X11 X11	L24 L24 L25 L26	45V 5 45V 5 45V	30 V 30 V	5 V 5 V 5 V	200M/ 200M/ 200M/	175C 175C 175C 175C 175C	500MWF 500MWF 500MWF 500MWF	2001 2001 2001	1 10P	350MN 350MN 350MN	2 M A 2 M A 2 M A	ALC ALC ALC	FEE FEE		2N3905 2N6015 2N6015 2N3905 2N3906	

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT	F ( T MIN	OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
ZTX214K ZTX214L ZTX214M ZTX214B ZTX214BK	PS PS PS PS	X11 X11 X11 X11 X11	L24 L25 L26 L23 L24	45V 45V 45V 45V	30 V 30 V 30 V 30 V	5 V 5 V 5 V 5 V	200MA 200MA 200MA 200MA 200MA	175C 175C 175C 175C 175C	500MWF 500MWF 500MWF 500MWF 500MWF	200M 200M 200M 200M 200M	10P 10P 10P	140MN 140MN 140MN 200MN 200MN	2MA 2MA 2MA 2MA 2MA	ALN ALN ALN ALN	FEB FEB	BC 309 BC 352B BC 352B	2N6003 2N6003 2N3906 2N3906 2N6003	0000
ZTX2148L ZTX2148M ZTX214C ZTX214CK ZTX214CK	PS PS PS PS		L25 L26 L23 L24 L25	45V 45V 45V 45V	30v 30v 30v 30v 30v	5 V 5 V 5 V 5 V	200MA 200MA 200MA 200MA 200MA	175C 175C 175C 175C 175C	500MWF 500MWF 500MWF 500MWF 500MWF	200M 200M 200M 200M 200M	10P 10P 10P	200MN 200MN 350MN 350MN 350MN	2 M A 2 M A 2 M A 2 M A 2 M A	ALN ALN ALN ALN	FER FER FER	BC309 BC3528 BC3528 BC309 BC309	2N6003 2N3906 2N3906 2N6003 2N6003	00000
ZTX214CM ZTX223 ZTX223K ZTX223L ZTX223M	PS NS NS NS	1	L26 L23 L24 L25 L26	45 V 50 V 50 V 50 V 50 V	30v 30v 30v 30v 30v	5V 5V 5 V 5 V	200MA 400MA 400MA 400MA 400MA	1750 1750 1750 1750 1750	500MWF 50CMWF 500MWF 500MWF 500MWF	200M 100M 100M 100M	12P 12P 12P	350MN 100MN 100MN 100MN 100MN	2MA 5CMA 5CMA 5CMA 5CMA	ALN AMG AMG AMG AMG		BC3528 BC387 BC338 BC338 BC387	2N3906 2N4401 2N5818 2N5818 2N4401	0000
Z1x223A Z1x223AK Z1x223AL Z1x223AM Z1x223BK	NS NS NS NS	X11 X11 X11 X11 X11	L23 L24 L25 L26 L24	50V 50V 50V 50V 50V	30v 30v 30v 30v 30v	5 V 5 V 5 V 5 V	400MA 400MA 400WA 400WA 400WA	1750 1750 1750 1750 1750	500MWF 500MWF 500MWF 500MWF 500MWF	100 M 100 M 100 M 100 M 100 M	12P 12P 12P	100MN 100MN 100MN 100MN 200MN	50 MA 5 CMA 5 CMA 50 MA 50 MA	AMG AMG AMG AMG AMG	FEB FEB	BC387 BC338 BC338 BC387 BC338	2N4401 2N5818 2N5818 2N4401 2N5818	00000
ZTXZZ38 ZTXZZ38L ZTXZZ38M ZTXZ37 ZTXZ37L	NS NS NS NS	X11 X11 X11 X11 X11	L 23 L 25 L 26 L 23 L 25	50 V 50 V 50 V 50 V 50 V	30 v 30 v 30 v 45 v 45 v	5V 5 V 5 V 6 V	400MA 400MA 400MA 100MA	1750 1750 1750 1750 1250	500MWF 50CMWF 500MWF 300MWF 300MWF	100M 100M 100M 150M 150M	12P	200MN 200MN 200MN 110MN 110MN	50MA 50MA 50MA 2MA 2MA	AMG AMG AMG ALG ALG	FEB FEB	BC387 BC387 BC338 BC347A BC237	2N4401 2N4401 2N5818 2N3903 2N5825	00000
ZTX237A ZTX237AL ZTX237B ZTX237BL ZTX238	NS NS NS NS	X11 X11 X11 X11 X11	L23 L25 L23 L25 L23	50 V 50 V 50 V 50 V 30 V	45 v 45 v 45 v 45 v 20 v	6 V 6 V 6 V 5 V	100MA 100MA 100MA 100MA	1250 1250 1250 1250 1250	3COMME 300MWF 300MWF 30CMWF 300MWF	150M 150M 150M 150M 150M	5P 5P 5P 5P	110MN 110MN 200MN 200MN 110MN	2MA 2MA 2MA 2MA 2MA	ALG ALG ALG ALG ALG	FEB MLB FEB	BC347A BC237 BC347A BC237 BC347A	2N 3903 2N 5825 2N 3903 2N 5825 2N 3903	00000
ZTX238L ZTX238A ZTX238AL ZTX238B ZTX238BL	NS NS NS NS	X11 X11 X11 X11 X11	L25 L23 L25 L23 L25	30 V 30 V 30 V 30 V	20v 20v 20v 20v 20v	5 V 5 V 5 V 5 V	100MA 10CMA 10GMA 100MA 100MA	1250 1250 1250 1250 1250	300MWF 300MWF 300MWF 30CMWF 30CMWF	150M 150M 150M 150M	5P 5P 5P 5P 5P	110MN 110MN 110MN 200MN 200MN	2 MA 2 MA 2 MA 2 MA 2 MA	ALG ALG ALG ALG ALG	FEB FEB	BC 237 BC 347A BC 237 BC 347A BC 237	2N5825 2N3903 2N5825 2N3903 2N5825	0 0 0 0
ZTX238C ZTX238CL ZTX239 ZTX239 ZTX239L	NS NS NS NS	X11   X11   X11   X11   X11	L23 L25 L23 L23 L23	30V 30V 30V 30V 30V	20V 20V 20V 2CV 2CV	5 V 5 V 5 V 5 V	100MA 100MA 100MA 100MA 100MA	1250 1250 1250 1250 1250	300MWF 300MWF 300MWF 300MWF 300MWF	150M 150M 150M 150M 150M	5P 5P 5P 5P	420MN 420MN 200MN 200MN 200MN	2MA 2MA 2MA 2MA 2MA	ALN ALG ALN ALN ALN	ı	BC349C BC239 BC349C BC345C BC239	2N3904 2N5827 2N3904 2N3904 2N5827	0 0 0 0
ZTx2398 ZTx2398L ZTx239C ZTx239CL ZTx300	NS NS	l .	L23 L25 L23 L25 L23	30V 30V 30V 30V 25V	20V 20V 20V 20V 25V	5V 5V 5V 5 V	100MA 100MA 100MA 100MA 500MA	125C 125C 125C	300 MWF 30 CMWF 30 CMWF 300 MWF 300 MWF	150M	5P	200MN 200MN 420MN 420MN 50/300	2MA 2MA	ALN ALN ALN	FEB FEB	BC349C BC239 BC349C BC239 BC337	2N3904 2N5827 2N3904 2N5827 2N4401	00000
Z1x300K Z1x3C0L Z1x3C1 Z1x3C1	NS NS NS NS	×11 ×11 ×11	L24 L25 L26 L23 L24	25V 25V 25V 35V 35V	25 V 25 V 25 V 35 V 35 V	5V 5V 5V 5V	500MA 500MA 500MA 500MA	125C 125C 125C	300MWF 300MWF 300MWF 300MWF 300MWF	150M 150M 150M	12P 12P	50/300		AMG AMG AMG	FEB	8C387 8C387 8C387	2N4401 2N4401 2N4401 2N4401 2N4401	0000
Z1X301L Z1X3C1M Z1X3C2 Z1X302k Z1X302L	NS NS NS NS	×11 ×11 ×11	L25 L26 L23 L24 L25	35 V 35 V 35 V 35 V 35 V	35V 35V 35V 35V 35V	5V 5 V 5 V 5 V	500MA 500MA 500MA 500MA	125C 125C 125C	300MhF 300MhF 300MhF 300MWF 300MWF	150M 150M 150M 150M 150M	12P 12P	50/300 50/300 100MN 100MN	10 MA 1 CMA 1 CMA 10 MA 10 MA	AMG AMG AMG	FEB FEB	8C387 8C387 8C387 8C387 8C387	2N4401 2N4401 2N4401 2N4401 2N4401	0 0 0 0
Z1x302M Z1x3C3 Z1x3O3K Z1x3O3L Z1x3O3M	NS NS	X11 X11 X11 X11 X11	L 26 L 23 L 24 L 25 L 26	35V 45V 45V 45V 45V	35 V 45 V 45 V 45 V 45 V	5 v - 5 v 5 v 5 v 5 v 5 v	500MA 500MA 500MA 500MA 500MA	1250 1250 1250	300MWF 300MWF 300MWF 300MWF 300MWF	150₩	12P 12P 12P	50/300 50/300	10 MA 10 MA		FEB FEB FEB		2N4401 2N4401 2N4401 2N4401 2N4401	0 0 0 0
ZTX304 ZTX304K ZTX304L ZTX304M ZTX310	NS NS NS NS	>11 ×11 ×11 ×11 ×11	L23 L24 L25 L26 L23	70 V 70 V 70 V 70 V 20 V	70V 70V 70V 70V 20V	5 V 5 V 5 V 5 V 3 V	500MA 500MA 500MA 500MA 200MA	125C 125C 125C	300MWF 300MWF 300MWF 300MWF 300MWF	150M	12P 12P 12P	50/300 50/300 50/300 50/300 20MN	10MA	AMH AMH	FE8 FE8 FE8		2N4401 2N4401 2N4401 2N4401 2N2369	0 0 0 0
ZTX31CK ZTX310L ZTX310M ZTX311 ZTX311K	NS NS	X11 X11 X11 X11 X11	L24 L25 L26 L23 L24	20 V 20 V 20 V 20 V 20 V	20V 20V 20V 15V 15V	3 V 3 V 3 V 5 V 5 V	200MA 200MA 200MA 200MA 200MA	125C 125C 125C	300MWF 300MWF 300MWF 300MWF 300MWF	200M 200M 200M 200M 200M	6 P 6 P 6 P	20MN 20MN 20MN 50/200 50/200	10 MA 10 MA 1 C MA	RLS RLS RLS	FEB FEB	BSX20 BSX20 BSX20 BSX20 BSX20	2N2369 2N2369 2N2369 2N2369 2N2369	0 0 0 0
ZTX311L ZTX311M ZTX312 ZTX312K ZTX312L		×11	L25 L26 L23 L24 L25	20V 20V 30V 30V 30V	15V 15V 12V 12V 12V	5V 5V 5V 5V	200MA 200MA 200MA 200MA 200MA	125C 125C 125C	300MWF 300MWF 300MWF 300MWF 300MWF	200M 200M 400M 400M 400M	4P		10MA 1CMA 1CMA	RLS VLS VLS	FEB FEB	BSX20 BSX20 BSX20 BSX20 BSX20	2N2 369 2N2369 2N2369 2N2 369 2N2 369	0 0 0 0
ZTX312M ZTX313 ZTX313K ZTX313L ZTX313M	NS NS	X11 X11 X11 X11 X11	L26 L23 L24 L25 L26		12v 15v 15v 15v 15v	5V 5V 5V 5V 5V	200MA 200MA 200MA 200MA 200MA	125C 125C 125C	300MWF 300MWF 300MWF 300MWF 300MWF	500M 500M 500M	4 P 4 P 4 P	40MN 40/120 40/120 40/120 40/120	1 GMA 1 GMA 1 GMA	VLS VLS VLS	FEB FEB	BSX20 BSX20 BSX20 BSX20 BSX20	2N2 369 2N2 369 2N2 369 2N2 369 2N2 369	0 0 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	C MAX	T J MAX	P TOT		OB MAX	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
ZTX314 ZTX314K ZTX314L ZTX314M ZTX320	NS NS NS NS	X11 X11 X11 X11 X11	L23 L24 L25 L26 L26	40V 40V 40V 40V 30V	15V 15V 15V 15V 15V	5 V 5 V 5 V 5 V 3 V	200MA 200MA 200MA 200MA 50MA	125C 125C 125C 125C 125C	300MWF 300MWF 300MWF 300MWF 250MWF	500M 500M 500M 500M 600M	4P 4P 4P 4P	40/120 40/120 40/120 40/120 20MN	10 M A 10 M A 10 M A 1 C M A 3 M A	VLS VLS VLS VLA	FEB FEB	85X20 85X20 85X20 85X20 8FX73	2N2369 2N2369 2N2369 2N2369 2N2369 2N918	0 0 0 0
ZTX320K ZTX320L ZTX32CM ZTX321 ZTX321K	NS NS NS NS	X11 X11 X11 X11 X11	L24 L25 L26 L23 L24	30V 30V 30V 30V	15V 15V 15V 15V 15V	3 V 3 V 3 V 3 V	50 MA 50 MA 50 MA 50 MA 50 MA	1250 1250 1250 1250 1250	250MWF 250MWF 250MWF 250MWF 250MWF	600M M000 M000 M000	1P7 1P7	20MN 20MN 20MN 20MN 20MN	3MA 3MA 3MA 3MA 3MA	VLA VLA VLA VLA	FEB FEB FEB FEB	BFX73 BFX73 BFX73 BFX73 BFX73	2N918 2N918 2N918 2N918 2N918	0 0 0 0
ZTX321L ZTX321M ZTX325 ZTX325K ZTX325L	NS NS NS NS	X11 X11 X11 X11 X11	L25 L26 L23 L24 L25	30V 30V 30V 30V	15V 15V 15V 15V	3V 3V 2V 2V 2V	50MA 50MA 50MA 50MA 50MA	125C 125C 125C 125C 125C	25 CMWF 25 CMWF 20 CMWF 20 CMWF 20 CMWF	1 G		20MN 20MN 25/150 25/150 25/150	3MA 3MA 2MA 2MA 2MA	VLA VLA ULA ULA	FEB FEB FEB FEB	BFX73 BFX73 BFY9C BFY9C BFY9C	2N918 2N918 2N2857 2N2857 2N2857	0 0 0
2TX325M 2TX326 2TX326K 2TX326L 2TX326M	NS NS NS NS		L26 L23 L24 L25 L26	30 V 30 V 30 V 30 V 30 V	15V 15V 15V 15V	2V 2V 2V 2V 2V	50MA 50MA 50MA 50MA 50MA	125C 125C 125C 125C 125C	20CMWF 20CMWF 200MWF 200MWF 200MWF	1G 1G	1P5 1P5 1P5 1P5 1P5	25/150 25/150 25/150	2MA 2MA 2MA 2MA 2MA	ULA ULA ULA ULA	FEB FEB FEB FEB	BFY90 BFY90	2N2857 2N2857 2N2857 2N2857 2N2857	0 0 0
2T x327 2T x327K 2T x327L 2T x327M 2T x33C	PS PS PS NS	X11 X11 X11 X11 X11	L23 L24 L25 L26 L23	50V 50V 50V 50V 30V	45V 45V 45V 45V 30V	5 V 5 V 5 V 5 V	800MA 800MA 800MA 800MA 500MA	150C 150C 150C 150C 150C	50CMWF 500MWF 500MWF 500MWF 300MWF	60 <b>M</b>	18F 18P 18P 18P	63MN 63MN 63MN 63MN 100MN	100MA 100MA 100MA 100MA 100UA	AMG	FEB FEB	BC328 BC328 BC338	2N4403 2N5819 2N5819 2N4403 2N3904	0 0 0 0
21x330k 21x330L 21x230M 21x331 21x331K	NS NS NS NS	X11 X11 X11	L24 L25 L26 L23 L24	30V 30V 30V 45V 45V	30V 30V 30V 45V 45V	5 V 5 V 5 V 5 V	50CMA 500MA 50CMA 500MA 50CMA	125C 125C	30CMWF 300MWF 300MWF 300MWF 30CMWF	30M 30M 30M 30M	8 P 8 P 8 P 8 P	40/120	100UA 100UA 100UA 10UA	ALN ALN ALN ALN	FEB FEB	BC 2.3.9	2N5827 2N5827 2N3904 2N3904 2N5827	0 0 0
ZTX331L ZTX331M ZTX337 ZTX338 ZTX341	NS NS NS NS	×11 ×11 ×11	L25 L26 L23 L23 L23	45V 45V 50V 30V 10CV	45V 45V 45V 20V 100V	5 V 5 V 5 V 5 V	50CMA 50CMA 80CMA 10CMA	125C 150C 150C	300MWF 300MWF 360MWF 360MWF 300MWF	30M 30M 60M 60M 50M	20 P	40/120	1 CLA 10UA 100MA 1 GOMA 2MA	ALN AMG AMG	FEB FEB		2N5827 2N3904 2N4408 2N4408 2N1990F	0000
ZTX341K ZTX341L ZTX341M ZTX342 ZTX342K	NS NS NS NS	X11 X11 X11	L 25 L 26 L 23	100V 100V 100V 120V 120V	100 v 100 v 100 v 120 v 120 v	5 V 5 V 5 V 5 V	100MA 100MA 100MA 100MA	125C 125C 125C	300MWF 300MWF 300MWF 300MWF 300MWF	50 M 50 M 50 M	10 P	30MN 30MN	2 M A 2 M A 2 M A 2 M A 2 M A	ALH ALH ALH	1	BSX21 BSX21 BSX21	2N 199 CF 2N 199 OF 2N 199 OF 2N 199 OF 2N 199 CF	₹ 0 ₹ 0
ZTX342L ZTX342M ZTX350 ZTX350K ZTX350L		×11	L 26	120V 120V 5CV 50V 50V		5√ 5∨	100MA	125C 135C	300MWF 300MWF 300MWF 300MWF	50M 125M 125M	10 P 4 P	30MN 40MN 40MN	2MA 2MA 2MA	ALG ALG	FEB FEB	BSX21 BSX21 BC350A BC307 BC307	2N1990F 2N1990F 2N3905 2N6015 2N6015	
ZTX35CM ZTX360 ZTX360K ZTX360L ZTX360M	NS NS	X11 X11	L26 L23 L24 L25 L26	6CV	45 V 40 V 40 V 40 V 40 V	1		1250	30CMWF 50CMWF 50CMWF 500MWF 500MWF	250M 250M 250M	20 P 20 P 20 P	25/150 25/150 25/150	2MA 5CCMA 5CCMA 5CCMA 5OCMA	VMS VMS VMS	FEB FEB	8C35CA 8SX59 8SX59 8SX59 8SX59	2N 390 5 2N 3725 2N 3725 2N 3725 2N 3725	0 0 0
ZTX382 ZTX382B ZTX382C ZTX383 ZTX3833	NS NS NS NS	X11 X11 X11	L23 L23 L23 L23 L23	50 V 45 V	45 V 45 V 45 V 30 V 30 V	6 V 6 V	100MA	1	450MWF 450MWF 450MWF 450MWF 450MWF	150M 150M 150M	10P 10P 10P 10P	240MN 450MN 100MN	2 M A 10 U A	ALN ALN	FER FER FER	BC349C BC349C BC349C BC349C	2N3904 2N3904 2N3904	00000
21X383C 21X384 21X384B 21X384C 21X5C0	NS NS NS NS	X11 X11 X11	L2C L23 L23 L23 L23	45V 45V 45V	30 V 30 V 30 V 30 V 25 V	6 V 6 V	100MA	125C 125C	45CMWF 450MWF 450MWF 450MWF 30CMWF	150M 150M	10P 10P 10P 10P	100MN 24CMN 450MN	1 CUA 2 M A 2 M A	ALN ALN ALN	FE8 FE8	BC349C BC349C BC349C BC349C BC397	2N3904 2N3904	0 0 0
ZTX5COK ZTX5OOL ZTX5OCM ZTX5O1 ZTX5C1K	PS PS PS	X11 X11	L24 L25 L26 L23 L24	25V 25V 35V	25 V 25 V 25 V 35 V 35	5 V 5 V	500MA 500MA 500MA	125C 125C 125C 125C 125C	300MWF 300MWF 300MWF 300MWF 300MWF	150M 150M	6 P 6 P 6 P	50/300 50/300 50/300		A M G	FEB FEB	BC328 BC328 BC387 BC337 BC328	2N5819 2N5819 2N4401 2N4401 2N5819	0 0 0 0
Z 1 X 5 0 1 L Z 1 X 5 0 1 M Z 1 X 5 0 2 Z 1 X 5 0 2 K Z 1 X 5 0 2 L	PS PS PS	X11 X11 X11	L25 L26 L23 L24 L25	35 V 35 V 35 V	35 V 35 V 35 V 35 V	5V 5V 5V	500MA 500MA 500MA	125C 125C 125C 125C 125C	300MWF 300MWF 300MWF 300MWF	150M 150M	6 6 F	50/300 100MN 100MN	10MA 10MA 10MA	AMC	FEB FEB	BC 32 8 BC 33 7 BC 38 7 BC 32 8 BC 32 8	2N5819 2N4401 2N4401 2N5819 2N5819	0 0 0
ZTX502M ZTX503 ZTX503K ZTX503L ZTX503M	PS PS PS	X11 X11	L26 L23 L24 L25 L26	45V 45V 45V	35 V 45 V 45 V 45 V	5V 5V 5V	500MA 500MA 500MA 500MA	125C 125C 125C	300MWF 300MWF 300MWF 300MWF	150 M	6 F 6 F 1 5 F	50/300 50/300 50/300	10MA 1CMA 1CMA	AM C	FER FER FER	BC387 BC387 BC328 BC328 BC387	2N4401 2N4401 2N5819 2N5819 2N4401	0 0 0
ZTX504 ZTX504K ZTX504L ZTX504M ZTX510	PS PS	X11 X11 X11 X11 X11 X11	L23 L24 L25 L26 L23	70V 70V 70V	70 v 70 v 70 v 70 v 12 v	5V 5V 5V	500MA	1	30 CM WE 30 CM WE 30 GM WE 30 GM WE 30 GM WE	150 M	6 F 1 6 F 1 6 F	50/300	10MA	AMH	1 FEE	B B S X 2 1 B B S X 2 1 B B S X 2 1 B B S X 2 0 B B S W 2 5	2N1990 2N1990 2N1990 2N1990 2N3546	R 0 R 0

TRANSISTOR NUMBER	PM OA LT	PACK- AGE	LEAD INFO	VCB MAX	VCE MAX	VEB MAX	I C MAX	T J MAX	P TOT	F C MIN	MAX OB	H FE	H FE BIAS	USE	MFR	EURO EQVT.	USA EQVT.	ISS
ZTX510K ZTX510L ZTX510M ZTX530 ZTX530K	PS PS	>11 ×11 ×11 ×11 ×11	L24 L25 L26 L23 L24	12V 12V 12V 30V 30V	12v 12v 12v 30v 30v	4 V 4 V 4 V 5 V 5 V	200MA 200MA 200MA 500MA 500MA	125C	30 CM W F 30 0 M W F 30 0 M W F 30 CM W F 30 0 M W F	400M 400M 400M 30M 30M		40/150 40/150 40/150 100MN 100MN	3 CMA 30 MA 30 MA 100 UA 100 UA	VLS VLS ALN	F E B F E B	BSW25 BSW25 BSW25 BC309 BC309	2N3546 2N3546 2N3546 2N6003 2N6003	0 0 0 0
ZTX530L ZTX530M ZTX531 ZTX531K ZTX531L	PS PS PS PS	X11 X11 X11 X11 X11	L25 L26 L23 L24 L25	30 V 30 V 45 V 45 V 45 V	30 V 30 V 45 V 45 V	5 V 5 V 5 V 5 V	500MA 500MA 500MA 500MA 500MA	125C 125C	300MWF 300MWF 300MWF 300MWF 300MWF	30M 30M 30M 30M 30M	8P 8P 8P 8P	100MN 100MN 40/120 40/120 40/120	100UA 100UA 100UA 100UA	AL N AL N	FEB	BC 309 BC 309 BC 309 BC 309 BC 309	2N6003 2N6003 2N6003 2N6003 2N6003	0 0 0
ZTX531M ZTX541 ZTX541K ZTX541L ZTX541M	PS PS PS PS	X11 X11 X11 X11 X11	L26 L23 L24 L25 L26	45 V 100 V 100 V 100 V 100 V	45V	5 V 5 V 5 V 5 V	500MA 100MA 100MA 100MA	125C 175C 175C 175C 175C	300MWF 500MWF 500MWF 500MWF 500MWF	30M	8P	40/120 30MN 30MN 30MN 30MN	100UA 2MA 2MA 2MA 2MA	ALH	FE8 FEB	BC309 BSV68 BSV68 BSV68 BSV68	2N6003 2N3497 2N3497 2N3497 2N3497	0 0 0
ZTX542 ZTX542K ZTX542L ZTX542M ZTX3702L	PS PS PS PS	X11 X11 X11 X11 X11	L23 L24 L25 L26 L25	100V 100V 100V 100V 40V	250	5 V 5 V 5 V 5 V	100MA 100MA 100MA 100MA 200MA	1750 1750 1750 1750 1750	500MWF 500MWF 500MWF 500MWF 360MWF	100M	12P	30MN 30MN 30MN 30MN 60MN	2MA 2MA 2MA 2MA 50MA	ALH ALH ALH ALG	FEB FEB	BSV68 BSV68 BSV68 BSV68 BC307	2N3497 2N3497 2N3497 2N3497 2N6015	0 0 0 0
21×3703L 21×3704L 21×3705L 21×3706L 21×3707	PS NS NS NS NS	X11 X11 X11 X11 X11	L 25 L 25 L 25 L 25 L 25	50V 50V 50V 40V 30V	30V 30V 30V 20V 30V	5V 5V 5V 5V	200MA 800MA 800MA 800MA 30MA	150C 150C 150C 150C 175C	360MWF 360MWF 625MWF 625MWF 500MWF	100M 100M 100M 100M	1 2P 1 2P	30MN 300MN 150MN 600MN 100MN	50MA 50MA 50MA 50MA 100UA	AMG AMG AMG	FEB FEB FEB FEB	BC307 BC338 BC338 BC338 BC349C	2N6015 2N5818 2N5818 2N5818 2N5818 2N3904	0 0 0
21X3707K 21X3707L 21X3707M 21X3708 21X3708K	NS NS NS NS	X11 X11 X11 X11 X11	L 24 L 25 L 26 L 23 L 24	30V 30V 30V 30V 30V	30 V 30 V 30 V 30 V 30 V	6 V 6 V 6 V 6 V	30MA 30MA 30MA 30MA	175C 175C 175C 175C 175C	500MWF 500MWF 500MWF 500MWF 500MWF			100MN 100MN 100MN 45/660 45/660	1 C O U A 1 C O U A 1 O O U A 1 M A	ALN ALN ALG	FEB FEB FEB FEB	BC239 BC239 BC349C BC347A BC237	1	0 0 0
ZTX3708L ZTX3708M ZTX3709M ZTX3709 ZTX3709K	NS NS NS NS	X11 X11 X11 X11 X11	L25 L26 L26 L23 L24	30 V 30 V 30 V 30 V 30 V	30 V 30 V 30 V 30 V 30 V	6 V 6 V 6 V 6 V	30MA 50MA 30MA 30MA 30MA	1750 1750 1750 1750 1750	500MWF 500MWF 500MWF 500MWF 500MWF			45/660 45/660 45/165 45/165 45/165	1 MA 1 MA 1 MA 1 MA	l	FEB FEB FEB FEB	BC237 BC347A BC347A BC347A BC237	2N 5825 2N 3903 2N 3903 2N 3903 2N 5825	00000
ZTX3709L ZTX3710 ZTX3710K ZTX3710L ZTX3710M	NS NS NS NS	X11 X11 X11 X11 X11	L25 L23 L24 L25 L26	30 V 30 V 30 V 30 V 30 V	30 v 30 v 30 v 30 v 30 v	6 V 6 V 6 V 6 V	30MA 30MA 30MA 30MA	1750 1750 1750 1750 1750	500MWF 500MWF 500MWF 500MWF 500MWF			45/165 90/330 45/165 45/165 45/165	1 M A 1 M A 1 M A 1 M A 1 M A	ALG ALG ALG ALG ALG	FEB FEB FEB FEB	BC 237 BC 347A BC 237 BC 237 BC 347A	2N 5825 2N 3903 2N 5825 2N 5825 2N 3903	0 0 0
ZTX2711 ZTX3711K ZTX3711L ZTX3711M ZTX3903	NS NS	X11 X11 X11 X11 X11	L23 L24 L25 L26 L23	30V 30V 30V 30V 60V	30V 30V 30V 30V 40V	6V 6V 6V 6V	30MA	175C 175C 175C 175C 175C	500MWF 500MWF 500MWF 500MWF 310MWF	250M	4P	180MN 180MN 180MN 180MN 50/150	1 1 4	ALN ALN	FEB FEB	BC 349C BC 239 BC 239 BC 349C BC 347A		0 0 0
ZTX3904 ZTX3904K ZTX3904L ZTX3904M ZTX3905	NS	i .	L23 L24 L25 L26 L23	60V 60V 60V 60V 40V	40V 40V 40V 40V 40V	6V 6V 6V 5V	200MA 200MA 200MA 200MA 200MA	1350 1350 1350	310MWF 31CMWF 310MWF 310MWF 310MWF	250M 250M 250M 250M 250M	4P 4P 4P 4P 5P	100MN 100MN 100MN 100MN 50/150	10MA 10MA	ALN ALN ALN	FEB FEB	BC349C BC239 BC239 BC349C BC338	2N5827 2N5827	0 0 0
ZTX3906 ZTX3906K ZTX3906L ZTX3906M ZTX4400		X11 X11 X11	L 23 L 24 L 24 L 24 L 23	40V 40V 40V 40V 60V	40V 40V 40V 40V	5 V 5 V 5 V 5 V 6 V	200MA 200MA 200MA 200MA 600MA	135C 135C 135C	310MWF 310MWF 310MWF 310MWF 500MWF	250M 250M 250M 250M 200M	5P 5P 5P 5P 7P	100MN 100MN 100MN 100MN 50/150	10 MA 10 MA 10 MA 10 MA 150 MA	AMG AMG AMG	FEB FEB	BC388 BC328 BC328 BC388 BC387	2N4403 2N5819 2N5819 2N4403 2N4401	0 0 0
ZTX4400K ZTX4400L ZTX4400M ZTX4401 ZTX4401K	NS NS NS	X11 X11 X11 X11 X11	L 24 L 25 L 26 L 23 L 24	60V 60V 60V 60V	40V 40V 40V 40V 40V	6V 6V 6V 6V	600MA 600MA 600MA 600MA	175C 175C 175C	500MWF 500MWF 500MWF 500MWF 500MWF	200M 200M 200M 250M 250M	7P	50/150 50/150 50/150 100MN 100MN	150MA 150MA 150MA 150MA 150MA	AMG AMG AMG			2N5818 2N5818 2N4401 2N4401 2N5818	0 / 0 0
ZTX4401L ZTX4401M ZTX4402 ZTX4402K ZTX4402L	NS PS PS	X11 X11 X11 X11 X11	L 25 L 26 L 23 L 24 L 25	60V 60V 40V 40V 40V	40V 40V 40V 40V 40V	6 V 6 V 5 V 5 V 5 V	600MA 600MA 600MA 600MA	175C 175C 175C	500MWF 500MWF 500MWF 500MWF 500MWF	250M 250M 150M 150M	7 P 7 P 9 P 9 P	50/150	150MA 150MA 150MA 150MA 150MA	AMG AMG AMG	FEB FEB		2N5818 2N4401 2N4403 2N5819 2N5819	0 0 0
ZTX4402M ZTX4403 ZTX4403K ZTX44C3L ZTX4403M	PS PS	X11 X11 X11 X11 X11	L26 L23 L24 L25 L26	40 V 40 V 40 V 40 V	40 V 40 V 40 V 40 V 40 V	5 V 5 V 5 V 5 V 5 V	600MA 600MA 600MA 600MA	175C 175C 175C	500MWF 500MWF 500MWF 500MWF 500MWF	150M 200M 200M 200M 200M	9P 9P 9P 9P	50/150 100MN 100MN 100MN 100MN	150MA 150MA 150MA 150MA 150MA	AMG AMG	F E B F E B F E B	BC 388	2N4403 2N4403 2N5819 2N5819 2N4403	0 0 0

## Appendix A Explanatory notes to tabulations

The general layout plan of the information in the tables of this compendium should be immediately evident from the data tabulation explanatory chart set out below.

TYPE NO.	POL & MAT	CASE	OUTLINE	EAD DEN IFN	V <sub>c∎o</sub> MAX	V <sub>CEO</sub>	V <sub>EBO</sub>	I <sub>c</sub>	T <sub>J</sub> MAX	P <sub>TOT</sub>	1	С <sub>ов</sub> МАХ	h <sub>fe</sub>	I <sub>C</sub> (h <sub>fe</sub> BIAS	USE	SUP PLI ER	UK SUB	USA SUB	ISS
(EXAMPLE) 2N909	NS	ļ			60V		5V	200 MA	175C	500 <b>MWF</b>	50M	25P	110 MN	50 MA	AMG	SG1	BSX 33	2N 731	0
								ľ											* FOOTNOTE
NUMERO- ALPHABETIC LISTING N = NPN P = PNP							t.										EIA- "2N" STAI POS	NDARD SIBLE	
F = PNP G = GERMANIUM S = SILICON																	L	STITUTE	
REFER TO COUTLINES APPENDIX C		J							SUGGESTED PROELECTRON STANDARD POSSIBL						RON				
REFER TO LE	AD	DET	AILS	s—														STITU	
MAXIMUM P COLLECTOR- VOLTAGE WI	-BAS	SE.			PFN-														ON POSSIBLE DEVICE—SEE
CIRCUIT	1111 6	. 1 🗸 1	1 - 1 - 1	. 01	LIV											"SU	PPLIE	R" AF	PPENDIX F
MAXIMUM PERMISSIBLE COLLECTOR-EMITTER VOLTAGE WITH BASE OPEN-CIRCUIT												APP	LICAT		TON ( USAG . A				
MAXIMUM P											Ī			BIA	s cu	RREN	IT AT	WHI	CH CURRENT
MAXIMUM F	PERM	ISSI	BLE	CO	LLEC	TOR	CURF	J RENT						GAI	N H <sub>FE</sub>	IS C	HARA	CTER	ISED
	MAXIMUM PERMISSIBLE JUNCTION TEMPERATU							∣RE				SON	METIN	1ES R	ELAT	ED A.	C. GA	D.C. (BUT AIN) AT I <sub>C</sub> BIAS	

MAXIMUM PERMISSIBLE DEVICE DISSIPATION—"F" = IN FREE AIR AT 25°C; "C" = WITH CASE SURFACE HELD AT 25°C; "H" = IN FREE AIR AT 25°C WITH METAL HEAT SINK ATTACHED TO DEVICE.

MINIMUM FREQUENCY CUT OFF,  $F_T$ , INDICATED IN K = KILOHERTZ, M = MEGAHERTZ, G = GIGAHERTZ;  $F_T = FREQUENCY$  AT WHICH COMMON-EMITTER CURRENT GAIN DROPS TO UNITY; TYPICAL  $F_T$  CAN BE TAKEN AS ROUGHLY TWICE  $F_{T \ MIN}$ .

SOMETIMES RELATED A.C. GAIN) AT I<sub>C</sub> BIAS SPECIFIED— WHERE MIN ("MN") ONLY IS SPECIFIED TYPICAL ("TP") CAN BE TAKEN AS TWICE MIN AND VICEVERSA

MAXIMUM COLLECTOR CAPACITANCE (TYPICAL USUALLY  $\frac{1}{2}$  TO  $\frac{2}{3}$  MAX)—NORMALLY EMITTER OPEN-CIRCUIT AND INDICATED BY "P" = PICOFARAD OR "N" = NANOFARAD—FOR HF DEVICES  $C_{RE}$  IS GIVEN AND PICOFARADS THEN INDICATED BY "R" INSTEAD OF "P".

More detailed notes on the symbols and codings used are given below.

Column headings

 $V_{cbo}$  collector-base voltage rating with emitter open circuited. V<sub>ceo</sub> collector-emitter voltage rating with base open circuited. V<sub>ebo</sub> emitter-base voltage rating with collector open circuited.

I<sub>C max</sub> rated maximum collector current.

T<sub>i max</sub> rated maximum junction temperature. P<sub>TOT max</sub> rated maximum device power dissipation.

f<sub>T min</sub> minimum common-emitter gain-bandwidth product.

C<sub>ob max</sub> (1) when units P or N, maximum output capacitance, common base.

> (2) when units R, maximum reverse transfer capacitance (C<sub>re</sub>), common emitter.

common emitter, short-circuit, current gain: normally dc, but ac when dc not specified.

Ic (hee bias) do bias current at which hee measured.

### Units

= Amperes = ° Centigrade = Kilohertz M = Megahertz MA = Milliamperes MN = Minimum

MWC = Milliwatts, case at 25°C MWF = Milliwatts, free air 25°C

MWH = Milliwatts, heat sink, 25°C ambient

= Nanofarads (refers C<sub>ob</sub>) Ν = Picofarads (refers C<sub>ob</sub>) R = Picofarads (refers C<sub>re</sub>)

TP = Typical = Microampere

= Volts

WC = Watts, case at 25°C WF = Watts, free air 25°C

= Watts, heat sink, 25°C ambient

Where unit appears in the middle of the value it indicates the position of the decimal point; e.g. 3P5 = 3.5P = 3.5 picofarads)

### Codes used in body of tables

'Material and Polarity' column codes

NG = npn germanium; NS = npn silicon; PG = pnp
germanium; PS = pnp silicon. (Exceptionally for 'nontransistors' additional codings appear as follows: FE = f.e.t.; PC = point contact transistor; PH = photodevice; TH = thyristor; UJ = unijunction transistor)

### 'Case Outline' column codes

TO ... = Jedec USA registered; X ... = non-standard outline; related drawings for both series are in Appendix C. ('OBS' = obsolete).

### 'Lead Identification' column codes

L... = number of related drawing in Appendix D. ('OBS' = obsolete).

### 'Use' column codes

In the three letter code used in this column to indicate applications use, different systems are used for industrial, consumer and special applications as follows:

1. Industrial . . . first letter A,R,S,U or V; each three letters

significant as follows:

(First Letter) (Second Letter) (Third Letter) A = AudioH = High current A = Amplifier B = Bidirectional R = RfL = Low current S = Shf M = Medium current С = Chopper U = UhfD = Darlington V = Vhf

E = Extra high voltage G = General purpose H = High voltage

= Low noise P = Power amplifier S = Switch

2. Consumer . . . first letter F or T; code significance as follows:

FRH = Fm/am radio, general purpose, high gain FRM = Fm/am radio, general purpose, medium gain FVG = Fm and Vhf (TV), general purpose

= TV, if amplifier

= TV, if amplifier, gain controlled TIG

= TV, horizontal (line) output, high voltage TLM = TV, horizontal (line) output, medium voltage TLE = TV, horizontal (line) output, extra high voltage

TUG = TV, uhf amplifier, gain controlled

TUM = TV, uhf mixer TUO = TV, uhf oscillator

TVE = TV, video output, extra high voltage TVH = TV, video output, high voltage TVF

TVM = TV, video output, medium voltage

### 3. Special

BDS = Bidirectional switch

DUA = Dual or differential amplifier pair

FET = Field effect transistor

MPP = Matched pair

PCT = Point contact transistor

= Photo-device PHT

QUA = Quad assembly

THY = Thyristor

UJT = Unijunction transistor

### 'Supplier' column codes

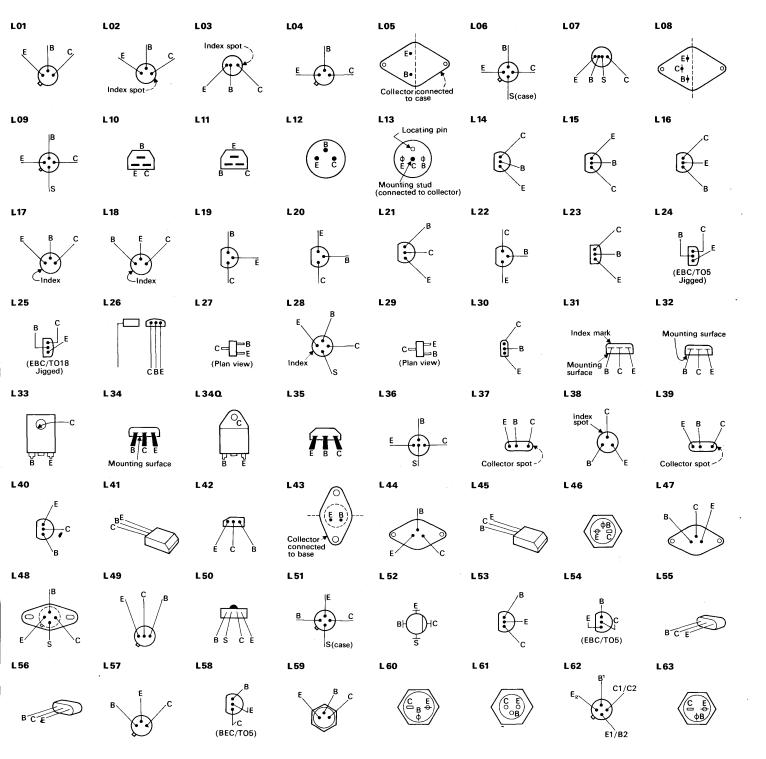
A three-letter code indicating a supplier of the related device according to the details given in Appendix F. ('OBS' implies obsolete type).

#### 'Issue' column code

The number in this column denotes the issue number of the data process card used to compile the tables.

## Appendix B

## Lead/Terminal identification





L65







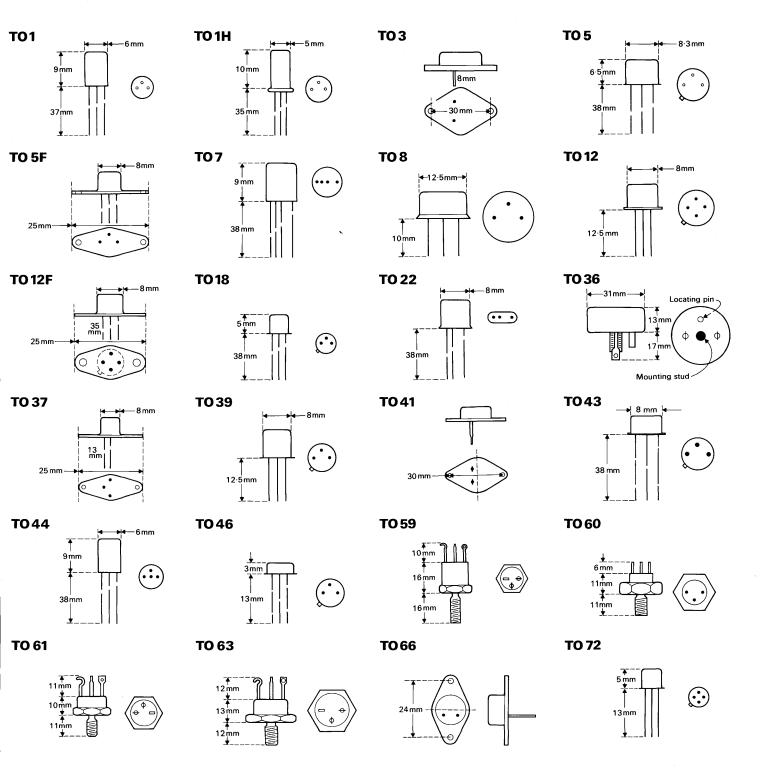
L68

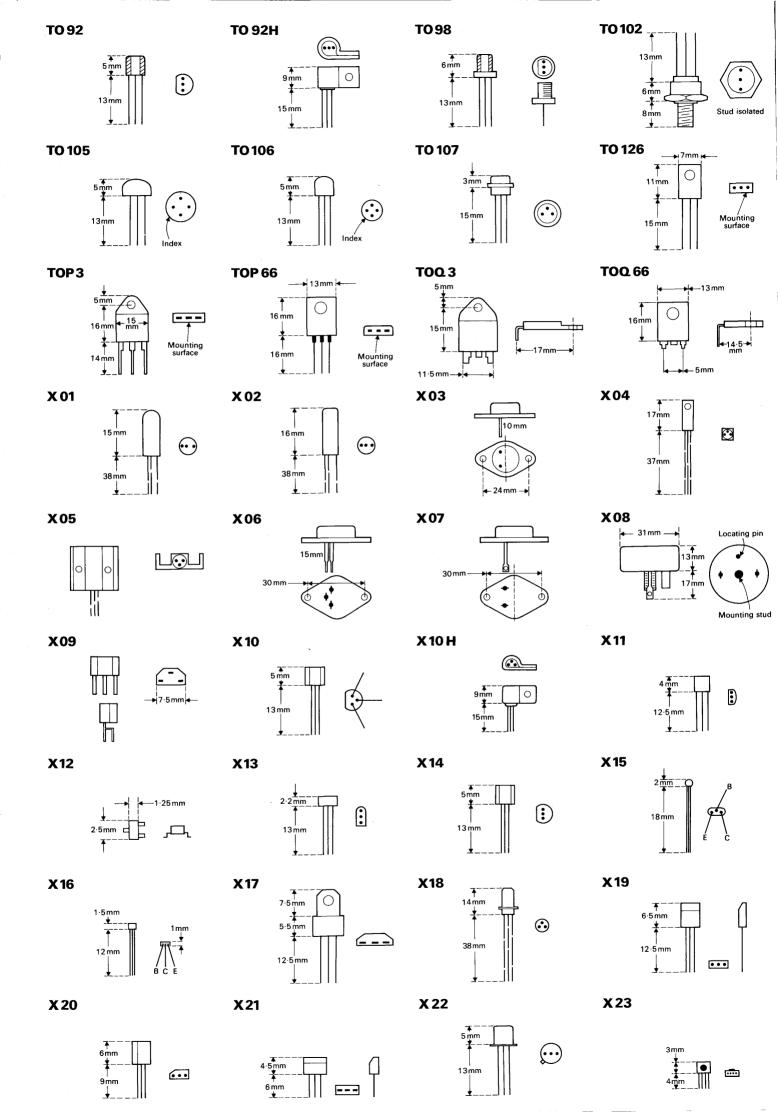




### Appendix C

### Case outline





X 24

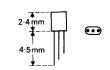
X 25

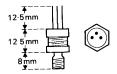
X26

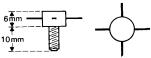
X 27

X 31





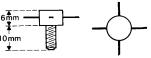


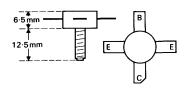


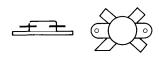
X 28

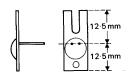
X 29

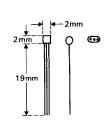
X 30











## Appendix D

## Manufacturers' house codes

			F (D total ) Conded allian law moves hi
2G	Texas, Germanium	BFS	Euro (Proelectron) Standard, silicon, low power, hf, industrial
2N	USA (EIA-Jedec) Standard Jap (Jis) Standard &	BFT	Euro (Proelectron) Standard, silicon, low power, hf,
23	Texas, Silicon	<b>5.</b>	industrial
2SA	Jap (Jis) Standard, pnp, high frequency	BFV	Euro (Proelectron) Standard, silicon, low power, hf,
2SB	Jap (Jis) Standard, pnp, low frequency		industrial
2SC	Jap (Jis) Standard, npn, high frequency	BFW	Euro (Proelectron) Standard, silicon, low power, hf,
2SD	Jap (Jis) Standard, npn, low frequency	BEV	industrial  Euro (Proelectron) Standard, silicon, low power, hf,
2SH	Jap (Jis) Standard, unijunction	BFX	industrial
2SJ 2SK	Jap (Jis) Standard, fet, p-channel Jap (Jis) Standard, fet, n-channel	BFY	Euro (Proelectron) Standard, silicon, low power, hf,
A	Amperex & SGS	<b>5.</b>	industrial
AC	Euro (Proelectron) Standard, germanium, low power, If,	BLX	Euro (Proelectron) Standard, silicon, power, hf,
	consumer		industrial
ACY	Euro (Proelectron) Standard, germanium, low power, If,	BLY	Euro (Proelectron) Standard, silicon, power, hf,
4.5	industrial	врх	industrial  Euro (Proelectron) Standard, silicon, photodevice
AD	Euro (Proelectron) Standard, germanium, power, If, consumer	BPY	Euro (Proelectron) Standard, silicon, photodevice
ADY	Euro (Proelectron) Standard, germanium, power, If,	BSS	Euro (Proelectron) Standard, silicon, low power, switch,
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	industrial		industrial
ADZ	Euro (Proelectron) Standard, germanium, power, If,	BSV	Euro (Proelectron) Standard, silicon, low power, switch,
	industrial	DOW	industrial
AF	Euro (Proelectron) Standard, germanium, low power,	BSW	Euro (Proelectron) Standard, silicon, low power, switch, industrial
AFY	hf, consumer  Euro (Proelectron) Standard, germanium, low power,	BSX	Euro (Proelectron) Standard, silicon, low power, switch,
AF1	hf, industrial	Вожини	industrial
AFZ	Euro (Proelectron) Standard, germanium, lower power,	BT	Euro (Proelectron) Standard, silicon, power, thyristor,
	hf, industrial		consumer
AL	Euro (Proelectron) Standard, germanium, power, hf,	BTW	Euro (Proelectron) Standard, silicon, power, thyristor,
4.01/	Consumer	втх	industrial  Euro (Proelectron) Standard, silicon, power, thyristor,
ASY	Euro (Proelectron) Standard, germanium, low power, switch, consumer	ых	industrial
ASZ	Euro (Proelectron) Standard, germanium, low power,	BTY	Euro (Proelectron) Standard, silicon, power, thyristor,
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	switch, industrial		industrial
AT	Ates & Avantek	BU	Euro (Proelectron) Standard, silicon, power, switch,
AU	Euro (Proelectron) Standard, germanium, power,	BUV	consumer  Euro (Proelectron) Standard, silicon, power, switch,
AUY	switch, consumer  Euro (Proelectron) Standard, germanium, power,	BUY	industrial
A01	switch, industrial	C	Crystalonics & SGS & Semitron
В	Solitron (ex Bendix)	CD	Crystalonics
BC	Euro (Proelectron) Standard, silicon, low power, If,	CDQ	Continental Device
	consumer	CDT	Clevite (Obs.)
BCW	Euro (Proelectron) Standard, silicon, low power, If,	CK CQT	Raytheon Clovite (Obs.)
всх	industrial  Euro (Proelectron) Standard, silicon, low power, If,	CRT	Clevite (Obs.) Clevite (Obs.)
BOX	industrial	CST	Clevite (Obs.)
BCY	Euro (Proelectron) Standard, silicon, low power, If,	CTP	Clevite (Obs.)
	industrial	<u>c</u> v	UK Government Standards
BCZ	Euro (Proelectron) Standard, silicon, low power, If,	D DT	Dickson & GE (USA) Lucas
BD	industrial  Euro (Proelectron) Standard, silicon, power, If,	DTG	Delco, germanium
<b>DD</b>	consumer	DTS	Delco, silicon
BDX	Euro (Proelectron) Standard, silicon, power, If,	EN	Fairchild & SGS, plastic equivalent of same '2N' number
	industrial	FM	Fairchild & SGS
BDY	Euro (Proelectron) Standard, silicon, power, If,	FSP	Fairchild & SGS
PE	industrial  Fure (Brooketron) Standard eiligen low newer bf	FT GET	Fairchild & SGS G.E. (USA) & GE (UK – now Mullard)
BF	<b>Euro (Proelectron)</b> Standard, silicon, low power, hf, consumer	GT	A.E.I. (Obs.) & General Instruments
BFR	Euro (Proelectron) Standard, silicon, low power, hf,	HEP	Mótorola
	industrial	IT	Intersil

ITC	Intersil	SSD	Solid State Devices
ITE	Intersil	ST	Semiconductors & Transitron
K	KMC	STC	Silicon Transistor Corporation
KD	KMC	STT	Silicon Transistor Corporation
KR	KMC	TF	Siemens
KS	Kertron	TH	Sprague
KSD	Kertron	TI	Texas
KSP	Kertron	TIP	Texas, power, plastic
L14	GE (USA)	TIS	Texas, small signal
LDA	Mullard	TIXM	Texas
LDF	Mullard	TIXS	Texas
LDS	Mullard	TK	ITT (Obs.)
MA	Motorola, Germanium, low power, metal can	TM	Texas
MD	Motorola, multiple transistor	TN	Sprague
ME	Amperex & Microelectronics	TP	Sprague
MF	Motorola, silicon, low power, metal can	TPS	Sprague
MFE	Motorola, silicon, fet, metal can	ΤQ	Sprague
MHM	Honeywell (now Solitron)	TR	Industro
мна	Motorola, quadruple transistors, metal can	TS	ITT (Obs.)
MHT	Honeywell (now Solitron)	TRL	Industro
MJ	Motorola, silicon, power, metal can	TRM	Industro
MJC	Motorola, silicon, power, unencapsulated chip	TRS	Industro
MJE	Motorola, silicon, power, plastic	TRSP	Industro
MM	Motorola, small signal and rf power, metal can	U	Siliconix
MMCF	Motorola, silicon, leadless 'flip chip'	V	Newmarket & SGS
ммсм	Motorola, silicon, micro-T, small signal, ceramic	XA	Siemens Ediswan (Obs.)
MMCS	Motorola, silicon, small signal, unencapsulated chips	ХВ	Siemens Ediswan (Obs.)
MMF	Motorola, silicon, fet, matched pair	XC	Siemens Ediswan (Obs.)
MMT	Motorola, silicon, micro-T, small signal	ZDT	Ferranti
MP	Motorola, germanium, power, metal can	ZM	Ferranti
MP8	Microelectronics	ZT	Ferranti
MPF	Motorola, fet, plastic	ZTX	Ferranti, Plastic
MPM	Motorola, silicon, small signal, plastic		
MPQ	Motorola, silicon, quadrupe multiple, plastic		
MPS	Motorola, small signal, plastic		
MPU	Motorola, programmable, unijunction		
MQ	Motorola, quadruple multiple		
MRF	Motorola, rf and microwave		
MT	Microelectronics		
MU	Motorola, unijunction		
NKT	Newmarket		
NN	Sprague		
NS	National		
NTS	Newmarket, silicon, metal can		
oc	Old European Standard		
OD	Old European Standard		
OS	JAP (JIS) Standard, photodevice		
PET	Philco (obs.)		
PG	Sprague	•	
PL PN	Texas		
PT	Newmarket, plastic version of equivalent '2N' number TRW		
QD			
SA	Qualidyne Amelco & Sprague		
SC	Philco (Obs.)		
SDM	Solitron		
SDT	Solitron		
SE	Fairchild & SGS		
SFT	Sescosem		
SP	Sprague		
	-p		

## Appendix E

CV transistors and related commercial prototypes

CV. NO.	COMM. DEVICE	CV.NO.	COMM. DEVICE	CV.NO.	COMM. DEVICE	CV.NO.	COMM. DEVICE	CV.NO.	COMM. DEVICE
CV51C5	QC 45	CV5804	GC170	CV7117	0C203	CV7480	2N1511	CV8333	2N1492
CV5321	2N 456	CV58C6	2N1123	CV7118	XB114	CV7481	2N1512	CV9335	2G21CX2
CV5328	CC 35 X2	CV5813	GC123	CV7131	ZT2C	CV7482	2N1513	CV8341	CG24
CV5329	CC 28 X2	CV5814	TK3CC	CV7132	ZT21	CV7483	2N1514	CV8342	CC28
CV5334	QC 450	CV5818	AS223	CV7133	ZT22	CV7490	BFY17	CV8344	GC71
CV5337	OC 73	C v 5 8 2 6	0C2C6	CV7134	ZT23	CV7491	EFY18	CV8345	CC140
CV5352	OC 47C	C v 5 8 3 2	2N599	CV7151	BCY32	CV7492	2N929	CV8346	CC77
CV5359	XS 1C1	C v 5 8 3 3	GET875	CV7154	ZT43	CV7493	2N93C	CV8347	OC2C1
CV5359	2S CO1	C v 5 8 4 8	BCZ11	CV7185	ASY66	CV7494	OC20	CV2389	CC71
CV5411	GET11OX	C v 5 8 4 9	OC2O2	CV7186	ZT45	CV7495	2N696	CV8348	OC2O3
CV5416	OC 84	CV5850	0C203	CV7187	ZT46	CV7496	2N697	CV8354	CC170
CV5439	OC 75	CV5851	GE1573	CV7188	OC205	CV7527	ZT1487	CV8355	CC22
CV5445	NK 1203	CV5856	GET110	CV7321	OC72×2	CV7528	ZT1488	CV8356	OC29
CV5457	AS 220	CV5857	OC42	CV7326	GET111	CV7529	ZT1489	CV8359	263C6
CV5457	OC 70	CV5858	OC201	CV7327	CET1C2	CV7530	ZT1490	CV8360	Z123
CV5459	GET104	CV5860	2123	CV7328	251C4	CV7554	2N2475	CV8361	2G1C4
CV5465	2N 512A	CV5861	26401	CV7333	25C25	CV7555	2N2369A	CV8362	GET103
CV5620	2N 78	CV5863	2121	CV7334	25C26	CV7580	2N1131	CV8363	GET1C2
CV5621	2N 144/13	CV5865	00205	CV7335	AFZ12	CV7581	2N1132	CV8366	GET573
CV5622	2N 158	CV5878	GE 1102	CV7336	25131	CV7588	2S104	CV8368	2G221
CV5623	2N 247	CV5879	GE 1111	CV7337	2S131	CV7593	2N2477	CV8369	2G140
CV5624	2N 274	CV5844	GC 2C1	CV7338	ASZ21	CV7594	2N2894	CV8370	2S0C5
CV5625	2N 332	CV5885	TK 42C	CV7341	BCY32	CV7595	2N3209	CV8371	2N388
CV5626	2N 337	CV5887	2N 2O 48	CV7342	BCY32	CV7596	2S1C3	CV8372	2G3C4
CV5627	2N 339	CV5888	2N 2C 48	CV7343	BCY32	CV7597	2N501	CV8373	2S1C8
CV5628 CV5629 CV5630 CV5631 CV5632	2N 344 2N 357 2N 384 2N 4C4 2N 457	CV5902 CV5909 CV5910 CV5913 CV5942	GET1C4 2SCO5 2SC19 2N1718 2N1742	CV7343 CV7344 CV7345 CV7346 CV7347	BCY32 BCY32 BCY32 BCY32 BCY32 DC202	CV7598 CV76C2 CV76C3 CV76O4 CV76O5	25301 27152 27153 27154 2N916	CV8393 CV8396 CV8397 CV8398 CV8399	25301 25026 2N1308 2N1307 2N1309
CV5633	2N 4 58	CV5949	2G220	CV7348	2N13C2	CV76C6	ACZ11	CV84CC	2622C
CV5634	2N 4 89	CV5951	BCY32	CV7349	2N13O4	CV76C7	ADZ12	CV8414	DT1121
CV5635	2N 4 91	CV5960	2S0C2	CV7350	2N13C6	CV76C8	ACY26	CV8415	CT1111
CV5636	2N 4 98	CV5967	2G4C3	CV7351	2N13O8	CV76O9	BFY19	CV8416	CT1112
CV5637	2N 4 52	CV5970	GC701K	CV7352	2N13O3	CV761C	BFY19	CV8417	25CO2
CV5638	2N550	CV5974	2S1C2	CV7353	2N13C5	CV7627	BSX15	CV8421	250C4
CV5639	2N585	CV5975	2S103	CV7354	2N13C7	CV7628	BSX16	CV8422	2502C
CV5640	2N527	CV5978	2N1255	CV7355	2N13O9	CV7629	25024	CVE424	DT4111
CV5641	2N651	CV5980	0C2C6	CV7361	BUY11	CV763C	2N2696	CV8425	CC450
CV5642	2N670	CV5994	2G225	CV7362	BSY25	CV7631	2N2527	CV8426	GC47C
CV5643	2N674	CV5995	257C3	CV7363	8CZ11	CV7632	2192	CV8427	CC47C
CV5644	2N697	CV5996	2N1744	CV7365	CET115	CV7633	2192	CV8439	2N174X2
CV5645	2N1C44/1	CV7001	6ET1C3	CV7366	2S3C5	CV7639	2190	CV844C	CC72
CV5646	2N1100	CV7002	GET116	CV737C	2N5OL	CV7644	2189	CV8447	CC2CO
CV5647	2N1131	CV7003	OC44	CV7371	ZT83	CV7646	2N7C8	CV8448	CC23
CV5648	2N 1139	CV7CC5	OC71	CV7372	Z 184	CV7647	25322	CV8451	25 019
CV5649	2N 1184	CV7CC6	OC72	CV7373	Z 186	CV7648	B57954	CV8453	25 002
CV5650	2N 1196	CV7OO7	OC77	CV7376	ACY17	CV7669	2N2904	CV8455	25 003
CV5651	2N 1285	CV7OO8	GET106	CV7390	ZG1C2	CV7670	2N2905	CV8467	2N 930
CV5652	2N 1149	CV7CO9	GET110	CV7391	ZG11C	CV7671	2N2904A	CV8473	2 5 324 X 2
CV5653	2N 1150	CV7C10	OC 16	CV7392	GET116	CV7672	2N29C5A	CV848C	OC 36
CV5654	2N 1152	CV7042	GE 1872	CV7393	2N705	CV7673	2N2906	CV8484	2N1721
CV5655	2N 1155	CV7043	CC 200	CV7394	2N711	CV7674	2N2907	CV85CC	2S321
CV5661	2N 1253	CV7044	OC 201	CV7396	2S3C7	CV7675	2N29C6A	CV85C1	NK 14C3
CV5663	2N 5C2	CV7054	OC 23	CV74C4	2N18S3	CV7676	2N29C7A	CV85C9	2N441
CV5703	2N173	CV7056	25002	CV743C	ESY26	CV7722	BFY50	CV8541	2N1671A
CV5710	OC44	CV7057	25003	CV7431	BSY27	CV7723	BFY51	CV8542	2N334A
CV5711	OC77	CV7058	25004	CV7436	ACY18	CV7724	BFY52	CV8543	2N685
CV5712	OC71	CV7C59	25005	CV7437	ACY19	CV7725	BFY50	CV8549	BCZ11
CV5713	OC72	CV7C60	25014	CV7438	ACY20	CV7726	BFY51	CV8551	CC480K
CV5733	2N277	CV7061	25 C12A	CV7439	ACY21	CV7750	Z 181	CV8558	GET111
CV5740	GC2G2	CV7062	25 C17	CV7440	2N1613	CV7751	Z 1181	CV8559	NKT223
CV5761	2N1132	CV7063	25 C18	CV7447	BFY19	CV7752	Z 182	CV8560	CC26
CV5762	2N601	CV7064	25 O19	CV7448	ASY6C	CV7753	Z 1182	CV8565	CC45CK
CV5773	2N174	CV7065	25 O20	CV7451	2N1479	CV7754	Z 187	CV8568	2NS16
CV5774	GT 35	CV7066	2S C13A	CV7452	2N148C	CV7755	Z1187	CV8582	GT42
CV5775	2N1136B	CV7C74	GE 11C3	CV7453	2N1481	CV8C07	OC7C2K	CV8593	2N1536
CV5776	2N144/13	CV7C75	GC 2C1	CV7454	2N1482	CV8015	2SC18	CV8597	2NE76
CV5778	2N525	CV7G80	GE 1571	CV7455	2N1483	CV8111	GET105	CV8598	2NE77
CV5781	2N35	CV7O81	GE 1572	CV7456	2N1484	CV8119	2N13O2	CV86CC	2N396
CV5782	2N440	CV7C82	GE1573	CV7457	2N1485	CV8126	NKT124	CV86C1	2N719A
CV5784	2N377	CV7C83	OC29	CV7458	2N1486	CV8130	ACY18	CV86O2	2N199C
CV5785	2N169A	CV7C84	OC35	CV7459	0C2C5	CV8150	GET880	CV86O3	2N2297
CV5789	2N333	CV7O85	OC28	CV7460	AUY10	CV8252	UC42	CV86O7	GET113
CV5792	2S702	CV7O86	OC36	CV7461	2S103	CV8259	ACY21	CV86C9	BFY16
		CV7C87 CV7C89 CV7107 CV7111 CV7112	GE1875 OC171 ACY31 OC139 OC140	CV7462 CV7463 CV7464 CV7478 CV7475	2N2411 2N2412 2N7C6A 2N918 2N2O60	CV8288 CV8314 CV8315 CV8316 CV8322	TK13 0C76 0C44 0C45 2G220x2	CV8611 CV8612 CV8613 CV8618 CV8635	25C24 25323 25712 GET885 AFZ11

CV. NO.	COMM. DEVICE	CV.NO.	COMM. DEVICE	CV.NO.	COMM. DEVICE	CV.NO.	COMM. DEVICE	CV.NO.	COMM. DEVICE
C v 8638	AF Z12A	C v 9 8 8 7	2 S O 1 7 X 2	CV9243	40110	CV5578	2N 1748 A	CV9914	2N 1131A
C v 8639	AF Z12E	C v 8 8 9	2 N 3 O 5 5	CV9247	80731	CV5585	BF Y 2C	CV9925	2N 711A
C v 8641	GE 1890	C v 8 8 9 C	2 N 3 C 5 3	CV9249	26401	CV5588	2N 3906	CV9927	OC 71 X2
C v 8642	GE 1887	C v 8 8 9 1	O C 7 C 1	CV925C	2N297	CV5589	40 250	CV9928	CC 44 X 2
C v 8643	25701	C v 8 8 9 4	D C 2 O 4	CV9251	2N397	CV5550	40 231	CV9939	BF Y 11
CV8645	25017	CV8899	2N 458AX2	CV9225	2N 3553	CV9602	2N4524	CV9944	2N526
CV8647	2152	CV8901	2N 2739	CV9256	2N 3263	CV9603	2N2892	CV9955	BUY11
CV8649	2186	CV8902	2N 3054	CV9258	GE T103 X2	CV96C4	2N2102	CV9956	BFY18
CV8661	2N12C4	CV8903	2N 1 C16	CV9259	OC83	CV96C5	2N3993	CV9957	BSY25
CV8662	2N1499A	CV89C9	2N 7 C8A	CV9261	2N 13C4	CV9606	2N3824	CV9958	BSY27
CV8668	2N513A	CVE910	2SC25	CV9264	GC 35	CV9611	2N1147	CV9959	ASY60
CV8673	2G227	CVE911	2N1700	CV9266	GE 1538	CV9623	2N3467	CV9961	(ASZ21
CV8677	2T227C	CVE913	2N2218	CV9267	GE T888	CV9624	2N3252	CV9962	Z143
CV8686	NK1401×2	CVE915	BFY19	CV9290	2N2893	CV9628	2N3232	CV9975	2NS47
CV8696	2S711	CVE916	BSY26	CV9291	2N914	CV9667	2N3236	CV9977	2SC33
CV870C	ASY64	CV8923	2N444A	CV9294	XK575	CV9668	2N706B	CV9978	25034
CV8702	2N976	CV8924	2N456A	CV9296	2N545	CV9669	2N253B	CV9979	25035
CV8710	2N1889	CV8925	2N457A	CV9300	2N2C21	CV9670	2N966	CV998C	25036
CV8712	2N2398	CV8941	2N1483	CV5308	NKT405	CV9697	2N3108	CV9986	2N335
CV9718	BCY39	CV8942	2S3C3	CV9313	2N5254	CV9699	2N2369	CV9988	2N1647
CN8722	28306	CV895C	2N1259	CV9314	2N1671A	CV97CC	2N1147B	CV1CC18	2N910
CV8723	282498	CV8966	QC139	CV9318	2N1553	CV97C1	2N3501	CV1CO37	2N1C318
CV8724	0083	CV8968	2N1254	CV932C	2N2368	CV57O2	2N3637	CV1UO40	2S731
CV8725	28257	CV897C	2S302	CV9321	2S1C4	CV97O3	2N1052	CV1O044	2N2916
CV8728	28715	CV8972	2N2800	CV9324	2N6698	CV97O5	2N35C3	CV1O046	2N3866
CV8729	2N7C6A	CV8979	2N 1396	CV9342	NKT404	CV97C6	2N3375	CV10C47	2N3632
CV8756	OC122	CV3981	2N 1742 x 2	CV9347	SE3C01	CV97C7	2N3478	CV10048	2N2497
CV3758	2N172O	CV8982	0C 25	CV9351	AFZ12	CV9716	2N3419	CV10053	ZFT14
CV8760	BCY31	CV900	2N 386	CV9352	2N1671B	CV9717	2N1506A	CV1C060	2N743
CV8762	2S322	CV9001	ASY 67	CV9354	2N2861	CV9718	2N2887	CV1CC61	OC141
CV8765	NKT213	CV90C2	2532C	CV9359	PUY10	CV9719	Z 12876	CV10063	NKT677
CV8767	2N2160	CV9UC4	2N727	CV9360	BLY11	CV9724	BSY28	CV10068	DC171
CV3775	AD212	CV5U08	2N1507	CV9364	2N2223A	CV9730	ASY26	CV10075	2N1485
CV8781	2SC20	CV5U17	2N1701	CV9366	2N3072	CV9734	2N342	CV1CC82	2S104
CV8782	2SC26	CV9C2C	2N1225	CV9367	2N3442	CV9735	2N341	CV1CC85	DC205
CV3783	253C4	CV9021	85Y25	CV9368	2N2484	CV9736	2N332	CV10086	25307
CV8785	2N1309	CV9029	2N721	CV5372	NKT218	CV9737	2N333	CV10094	ECY32
CV8786	2N13C9	CV9031	2N797	CV9373	GET872	CV9741	2N1488	CV10094	BCY32
CV8789	2N458AX2	CV9033	BUY11	CV9375	ACY30	CV9742	2N1483	CV10095	2N13C8
CV8792	C1P1109	CV9035	2S721	CV9378	8FX21	CV9760	Z11483	CV10109	ASY66
CV8794	NK-T226	CV5039	GET 882	CV9379	BS Y95A	CVS761	Z I 1484	CV10139	CC466
CV8798	2N1302	CV5040	AS Y 29	CV9384	2N3235	CVS762	Z I 1485	CV1C140	2N3572
CV8799	2N1303	CV9047	2 N 2 8 5 4	CV9392	2T2475	CVS763	Z I 1486	CV1C141	2N3110
CV88CC	2N1184B	CV9048	2 N 2 6 9 6	CV9395	2N2194	CVS766	2N656	CV1C142	2N2891
CV88C1	NK T301	CV5C55	2 N 6 5 8	CV94CC	2N163	CVS767	ZN 1744	CV10143	4C422
CV3302	NK T 12 7	CV9058	25324	CV9407	2N539	CV9777	AC161/62	CV1C15C	ZTE2
CV8803	2N 26 8	CV9C59	BCY40	CV9415	2C302	CV5778	AC126	CV1C159	BFY52
CV8804	2N 1 C 2 1	CV9C68	OC71	CV9420	BCY18	CV9780	BC1C7	CV1O16O	ADZ11
CV88C6	2N 1 4 8 1	CV9C69	GE1881	CV9426	BFY50	CV9786	2N3584	CV1O161	ZDT21
CV38C7	DC 7 C 0	CV9O70	GE1889	CV9430	BCY3C	CV5791	2N3121	CV1O162	ZN1672
CV8810	NKT 304	CV9071	GET892	CV9431	BCY34	CV9792	2N2193	CV1C164	2G 387
CV8817	2N1692	CV9074	BSY29	CV9436	2N3441	CV9793	2N3418	CV1C166	40 321
CV8818	2S722	CV9075	2N915	CV9437	2N3442	CV9794	BSX23	CV10168	2N 2945
CV8819	2N1C90	CV9083	2N2243A	CV9447	OC77	CV9797	OC83X2	CV1C18C	2S 32 5
CV8826	0C203	CV5098	2N458A	CV9449	2N3858X2	CV9798	2N1755	CV1C181	2S 720
CV8827	25 C 17	CV91C1	2N2040	CV9456	AL103	CV98C7	2N2C67	CV1C183	ACY19
CV8828	2 N 6 7 7 B	CV91C4	BCY32X2	CV9457	ACY39	CV98C8	2N1899	CV1019C	2N2904
CV8830	OC 4 4 C	CV91C6	CT46	CV9463	2N1711	CV9809	2N338	CV102C2	NKT128
CV8831	CC 4 6 O	CV9111	CT43	CV9477	2N2338	CV9311	GM378b	CV102C9	NKT4C4×2
CV8832	2 N 4 9 9	CV9114	2S732	CV9481	2N1309	CV9815	GC2OX2	CV1C215	2N1613
CV8837	NK 1713	CV9128	2N494	CV9482	ACY17	CV9829	2N 422	CV10235	BCY72
CV9838	NK 132	CV9129	2N1016E	CV9483	ACY20	CV9829	2N 422	CV10236	BFY72
CV8843	2N 1613	CV9130	2N1893	CV9486	2N 705	CV983C	2N 517	CV10238	2N3543
CV8844	2N 7C8	CV9131	2N2150	CV9487	2N1 534	CV9831	2N 2287	CV10240	ZT1514
CV8845	2N 2223	CV9132	2N2219	CV9496	2N1 311	CV9832	2N 158A	CV10243	BF115
CV8846	2N869	CV9133	2N2484	CV9498	2N2656	CV9861	ZT1479	CV10244	ZT1513
CV8847	2N995	CV9134	2N2905	CV9508	BF Y64	CV9862	ZT1480	CV10266	OC20
CV8848	2N227C	CV9157	2N1918	CV9512	2N2979	CV9863	ZT1481	CV10267	2N3731
CV8849	2N1038	CV9177	26403S	CV9513	2N3278	CV9864	ZT1482	CV10268	2N3643
CV8850	2N1907	CV9183	TS13	CV9515	2N2824	CV9865	ZT1487	CV10269	2N3638
CV8856	2N1131	CV9184	2N597	CV9516	ZT 211	CV5866	ZT1488	CV1027C	2N3566
CV8357	2N2233	CV919C	NKT271	CV9518	2N 289C	CV9867	ZT1489	CV1C271	2N3565
CV8363	BLY12	CV9192	2N29C5A	CV9526	2N 1754	CV9868	ZT1450	CV1C272	2N3251
CV8864	2N645	CV9209	2S018	CV9538	RCV 54	CV9869	ZN1573	CV1C273	CC43
CV8874	2N2432	CV9211	2N7C6	CV9562	2N 699	CV9872	ZN2C33	CV1C274	2N711
CV8875 CV8876 CV8881 CV8883 CV3886	2N141C 2N1506 2N1710 2N2846 2S025	CV\$212 CV9215 CV9216 CV9218 CV\$235	2N7C3 BSY95 2N3447 40251 2N711	CV9563 CV9564 CV9565 CV9566 CV9577	2N1305 2N1369A 2S733 2S3C5 2N1531 139	CV9873 CV9888 CV9895 CV99C9 CV9913	2N489 2N3C19 'BSY11 2N10164 2N338	CV1C275 CV1C276 CV1C279 CV1C280 CV1C283	ASY27 AF118 Z11072 ECY38 ACY26

CV. NO.	COMM. DEVICE	CV.NO.	COMM. DEVICE	CV.NO.	COMM. DEVICE	CV.NO.	COMM. DEVICE	CV.NO.	COMM. Device
CV10288 CV10292 CV10304 CV10309 CV10336	2N2O68 2G3C3 2N718 2N2410 2N222A	CV10692 CV1C697 CV1C715 CV10718 CV10720	25 C24 2N491B 40 354 CC36X2 BFY17	CV11C34 CV11C4C CV11C41 CV11O42 CV11O43	BS W25 2N2925 2N39C4 2N22C7 2N567				
CV10337 CV10338 CV10345 CV10350 CV10351	8 S Y 3 8 8 S Y 3 9 8 D Y 1 0 2 N 206 3 2 N 3 3 0 2	CV1C732 CV1C736 CV1O739 CV1O740 CV1O741	2N1762 2N2243 2T1708 2T183 2T184	CV11C44 CV11C45 CV11O46 CV11O47 CV11O54	2N2501 2N2148 2N2923 2N2924 BFX35				
CV10352 CV10353 CV10357 CV10376 CV10379	2N 3045 2N 3051 2N 424 GET 880 BF Y 57	CV1C747 CV1C750 CV1O751 CV1O766 CV1O767	2N3504 Z19C 2G386 2N4393 BF185	CV11C56 CV11C58 CV11O6C CV11O62 CV11C7O	2N3741 BFY82 ZT88 2N2604 2S024				
CV1C381 CV1O384 CV1O391 CV1O393 CV1C394	NK T4C1 2N 14C 2N 2479 2N 2405 2G 382	CV1C768 CV10769 CV10778 CV10779 CV10786	BF 184 BC 109 BF Y72X2 2N3063 2N699B	CV11071 CV11072 CV11078 CV11089 CV11C91	25025 25026 8FX11 21152 21210				
CV10396 CV10409 CV10410 CV10411 CV10412	255C2 25327 2N2386 2N2865 2N2950	CV10787 CV10788 CV10789 CV10806 CV10809	2N 3998 2N 342C 2N 357C BC 109 OC 71	CV11092 CV11095 CV11096 CV11099 CV11113	Z0142 Z11484 Z191 2N845 2N3439				
CV10413 CV10414 CV10415 CV10416 CV10419	2N2951 2N2998 2N657 2N930 2N15664	CV10814 CV10815 CV10821 CV1C824 CV10827	8CY71 8SX21 8FX39 2N2S96 8FY81	CV11123 CV11135 CV11137 CV11139 CV11143	ACY17 2N2907A 2N722 2N720A 2N4401				
CV1042C -CV1C432 CV1C440 CV1C441 CV10467	2N1049A 2N1132 BC107 2N3440 NKT12	CV10828 CV10834 CV10836 CV10837 CV10838	2N3905 2S501 BDY11 BCY55 2N2274	CV11144 CV11145 CV11147 CV11149 CV11151	2N4403 40346 40348 2N3791 2N1275				
CV10471 CV10509 CV10511 CV10520 CV10531	BFY52 2N2218 2N743X2 BFY79 BFY44	CV10845 CV10846 CV10850 CV10855 CV10862	25033 203773 85x19 NKT228 2181	CV11152 CV11153 CV11155 CV11227 CV11228	25512 2N3133 2N2147 2N2944 BFX48				
CV1C532 CV1C533 CV1C540 CV1C541 CV1C544	2N3018 BFY90 BFX84 BC108 2SC02	CV10863 CV10866 CV10879 CV10885 CV10886	Z1403P Z142 25300 0C35x3 8CY42	CV11229 CV11236 CV11238 CV11241 CV11242	2N4348				
CV10547 CV10548 CV10550 CV10552 CV10556	2N3234 2N4C36 ACY22 2N3262 2N1489	CV1C893 CV1C895 CV10898 CV10899 CV10900	2N2444 2N5128 2N652A 2N1183B 2N2C48	CV11243 CV11248					
CV1C557 CV10558 CV1056C CV10561 CV1C562	2N497 2N3118 2N3935 2N3202 2N3636	CV10901 CV10905 CV10908 CV10909 CV10910	2N2O43 ESY39/2 AF124 ASZ15 2N1C41						
CV10563 CV10564 CV10575 CV10576 CV10577	2N 2C 78 2N 3 7C 2 2N 3 9 35 2C 3 C 9 2N 3 3 2 3	CV10911 CV10912 CV10918 CV10930 CV10944	2N495 2N718A BCY55 2N4359 2N2641						
CV1058C CV10581 CV1C582 CV1C583 CV1C584	2N 3 8 3 2N 1 3 7 3 2N 2 1 8 9 2N 26 3 5 2N 3 3 9 1	CV10945 CV10946 CV10971 CV10980 CV10981	2N727 2N3712 NKT143 2N2C34 2N2452						
CV10585 CV10588 CV10595 CV10601 CV10602	2N2218A 2N2185 2N3436 2N657A 2N1481	CV10986 CV10990 CV10992 CV10993 CV10995	85X30 8CY7C GE1875 8D121 GET872					į	
CV10618 CV10627 CV10629 CV10675 CV1068C	EC108 2N1146 BFX88 AC176 2N2192	CV1C996 CV1C999 CV11C00 CV11007 CV11010	2N7C5 2N1554 2N2977 2N3585 2N5416						
CV1C681 CV1C682 CV10683 CV10684 CV10686	BFY63 2N.37C3 2N.37C4 2N.3819 2N.1306	CVI1C11 CVI1C12 CVI1013 CVI1014 CVI1023	2N2613 BD123 BSX27 BCY43 2N2857	140					

## Appendix F

### Manufacturer Listing

(and codings for tabulation 'Supplier' column)

AEI	AEI Semiconductors Ltd	KMC	KMC Semiconductor Corporation
	Carholme Road, Lincoln, UK Tel. 0522–29992		Parker Road, R.D.2, Long Valley New Jersey, 07853, USA
AME	Amelco Semiconductors	LTT	Lignes Telegraphiques et Telephoniques
	1300 Terra Bella Avenue, Mountain View, California, USA		Boite Postale No. 5, Conflans-Ste-Honorine, Yvelines, FRANCE
AMP	Amperex Electronic Corporation, Semiconductor Division,	LUB	Joseph Lucas (Elec) Ltd
	Slatersville, Rhode Island, 02876, New York, USA		Mere Green Works, Mere Green Road, Four Oaks, Sutton
ATB	SGS/ATES (UK) Ltd		Coldfield, Warwickshire, UK Tel 021–308–3501
	Planar House, Walton Street, Aylesbury, Buckinghamshire, UK	MAT	Matsushita Electronics Corp
	Tel. Aylesbury 5977		Saiwaicho 1 – Takatsuki, Osaka, JAPAN
ATI	ATES Componenti Elettronici SPA	MBL	MBLE (Manufacture Belge De Lampes et De Materiel Elect-
	Via Tempesta 2, Milan, Italy		ronique)
AVA	Avantek Inc		Rue des Deux Gares 8, Brussels 1070, BELGIUM
	2981 Copper Road, Santa Clara, California, USA	MCB	Microelectronics Ltd
COD	Continental Device Corporation		York House, Empire Way, Wembley, Middlesex, HA9-OPA, UK
	12515 Chadron Avenue, Hawthorne, California, USA		Tel 01-903-2721
CRY	Crystalonics Division, Teledyne Inc.	MCE	Microelectronics Ltd
	147 Sherman Street, Cambridge, Massachusetts 02140, USA		38 Hungto Road, Kwung Tong, Kowloon, HONG KONG
DEE	Delco Electronic Division, General Motors Corp.	MIQ	(Mistral Agent) Thomson CSF UK Ltd
	700E. Firmin Street, Kokomo, Indiana, 46901, USA		Bilton House, Uxbridge Road, Ealing, London, W5-2TT, UK
DIC	Dickson Electronics Corporation		Tel 01–569–1857
	310 South Wells Fargo Avenue, Scottsdale, Arizona, 85252,	MIS	Mistral (Manifattura Intereuropea Semiconduttori Transistori
	USA		Latine)
ELN	Electronic Transistors Corporation		Via Carnevali 113, Milan, ITALY
	153/13 Northern Boulevard, Flushing, New York, 11354, USA	MIT	Mitsubishi Electric Corporation,
FCB	Fairchild Semiconductor Ltd.		Tokyo Buildings, 2–12 Marumouchi, Chiyoda-Ku, Tokyo, JAPAN
	Kingmaker House, New Barnet, Enfield Road, Hertfordshire, UK	МОВ	Motorola Semiconductors Ltd
	Tel 01–440–7311		York House, Empire Way, Wembley, Middlesex, HA9-OPA, UK
FCU	Fairchild Semiconductor Corporation	***	Tel 01–903–0944
	401 Ellis Street, Mountain View, California, 94040, USA	MOU	Motorola Semiconductor Products Inc 5005 East McDowell Road, Phoenix, Arizona, USA
FEB	Ferranti Ltd	BALLD	Mullard Ltd
	Gem Mill, Chadderton, Oldham, Lancashire, UK	MUB	Mullard House, Torrington Place, London, WCIE-7HD, UK Tel
	Tel 061–624–6661		01–580–6633
FUJ	Fujitsu Ltd	NAB	National Semiconductor (UK) Ltd
CER	1015 Kamikodanaka, Kasawaki City, Kanagawa, JAPAN	NAD	The Precinct, Broxbourne, Hertfordshire, UK Tel Hoddesdon
GEB	International General Electric Company of New York Ltd 296 High Holborn, London, WC1, UK Tel 01–242–6868		69571
GEU	General Electric Company	NAT	National Semiconductor Corp
GEO	Semiconductor Product Department, Build 7, Electronics Park,	NA.	2900 Semiconductor Drive, Santa Clara, California, 95051, USA
	Syracuse, New York 13201, USA	NEM	Newmarket Transistors Ltd
GIB	General Instruments (UK) Ltd	14 - 141	Exning Road, Newmarket, Suffolk, UK Tel Newmarket 3381
GIB	Cock Lane, High Wycombe, Buckinghamshire, UK Tel High	NIP	Nippon Electric Company Ltd
	Wycombe 27856		1753 Shimounumaba, Kawasaki City, JAPAN
GIU	General Instruments Corporation	NUC	Nucleonic Products Co Inc, Nucleonic Components Devices
0.0	600 West John Street, Hicksville, New York, 11802, USA		Division
нів	(Hitachi Agent) Ataka & Co (UK) Ltd		6660 Variel Av, Canoga Park, California 91303, USA
	Roman House, Wood Street, London, EC2Y-5BS, UK Tel 01-	QUA	Qualidyne Corporation
	638–8901		1230 Bordeaux Drive, Sunnyvale, California, 94806, USA
HIJ	Hitachi Ltd	RAY	Raytheon Company, Semiconductor Division
	Electronic Devices Division, Marunouchi Building, 41-Chome,		350 Ellis St, Mountain View, California, 94040, USA
	Marunouchi Chiyoda-Ku, Tokyo, JAPAN	RCB	RCA (Great Britain) Ltd
IND	Industro Transistor Corporation		Lincoln Way, Windmill Road, Sunbury-on-Thames, Middlesex,
	35-10 36th Avenue, Long Island City, New York, 11106, USA		UK, Tel Sunbury 85511
INS	Intersil Inc.	RCU	RCA Corporation, Solid State Division
	10900 North Tantau Avenue, Cupertino, California, 95014, USA		Route 202, Somerville, New Jersey, 18876, USA
ITB	ITT Semiconductors,	RTC	RTC (La Radio Technique – Compelec)
	Footscray, Sidcup, Kent, UK Tel 01-300-3333		130 Avenue Rollin, Paris 11, FRANCE
ITU	ITT Semiconductors	SAK	Sanken Electric Co Ltd
	3301 Electronics Way, West Palm Beach, Florida, 33047, USA		1–22–8 Nishi-Ikebukure, Toshima-Ku, Tokyo, JAPAN
KER	Kertron Inc	SAN	Sanyo Electric Trading Co. Ltd,
,	7516 Central Industrial Drive, Riviera Beach, Florida, 33047, USA		Moriguchi, Osaka, JAPAN

**TKS** 

	microelectronique)
	101 Boulevard Murat, Paris 16, FRANCE
SEU	(Sescosem Agent) Thomson CSF UK Ltd
	Bilton House, Uxbridge Road, Ealing, London, W5-2TT, UK
	Tel 01-579-5511
SEV	Semitron Ltd
	Cricklade, Wiltshire, UK Tel Cricklade 464
SGB	SGS/ATES (UK) Ltd
	Planar House, Walton Street, Aylesbury, Buckinghamshire, UK
	Tel Aylesbury 5977
SGI	SGS (Societa Generale Semiconduttori Spa)
301	Via C Olivetti 1, Agrate Brianza, Milan, ITALY
CHI	Shindengen Electric Mfg Co Ltd
SHI	New Ohtemachi Building, 2-1, 2-Chome Ohtemachi, Chiyoda-
015	Ku, Tokyo 100, JAPAN
SIB	Siemens (UK) Ltd
	Great West House, Great West Road, Brentford, Middlesex, UK
	Tel 01–568–9133
SID	Siemens Aktiengesellschaft
	Bereich Halbleiter, Balanstrasse 73, Munich 80, WEST
	GERMANY
SIT	Silicon Transistor Corporation
	East Gate Boulevard, Garden City, Long Island, New York,
	11530, USA
SIU	(Silicon Transistor Agent) Walmore Electronics Ltd
	11–15 Betterton Street, London, WC2H 9BS, UK
SIX	Siliconix Incorporated
	2201 Laurelwood Road, Santa Clara, California, 95054, USA
SOD	Solid State Devices Inc
	12741 Los Nietos Rd, Santa Fe Springs, California, 90670, USA
SOT	Solitron Devices Inc
	1177 Blue Heron Boulevard, Riviera Beach, Florida, 33404, USA
sou	(UK Division of Solitron) Solidev Ltd
	Edison Road, Bedford, MK41-OHG, UK Tel Bedford 60531
SOY	Sony Corporation,
•••	Atsuigi Plant, 14-1 Asahi-Sho 4, Atsuigi-Shi, Kanagawa-ken
	243, JAPAN
SPG	
SFG	Sprague Electric Company Semiconductor Division, 115 Northeast Cutoff, Worcester,
	Massachusetts, USA
TAD	Tadiran Israel Electronics Industries Ltd
	3 Derech Hashalom, (PO Box 648), Tel Aviv, ISRAEL
TAG	Transistor AG,
	Hohlstrasse 610, 8048 Zurich, SWITZERLAND
TFB	(Telefunken Agent) MCP Electronics Ltd
	Station Wharf Works, Alperton, Wembley, Middlesex, HAO-
	4PE, UK Tel 01–902–5941
TFK	AEG-Telefunken
	71 Heilbronn, Postfach 1042, WEST GERMANY
TIB	Texas Instruments Ltd
110	Manton Lane, Bedford, UK Tel Bedford 67466
TIF	Texas Instruments France SA
ш	06 Villeneuve-Loubet, A.M., FRANCE
<b>T</b>	
TIU	Texas Instruments Inc
	Components Group, 13500 North Central Expressway, PO Box
	5012, Dallas, Texas, 75222, USA
TIW	Texas Instruments Deutschland Gmbh
	8050 Freising, Haggertystrasse 1 Freising, WEST GERMANY

Sescosem (Societe Europeenne De Semiconducteurs et de

SAS

microelectronique)

TOB (Toshiba Agent) Erie Electronics Ltd
South Denes, Great Yarmouth, Norfolk, UK Tel Gt. Yarmouth
4911

TOS Toshiba (Tokyo Shibaura Electric Co)
Toshiba Building, 2-1 Ginza, 5-Chome Chou-ku, Tokyo, JAPAN

(TRW Agent) MCP Electronics Ltd
Station Wharf Works, Alperton, Wembley, Middlesex, HAO-4PE,
UK Tel 01-902-594

TRW Semiconductors Inc
14520 Aviation Boulevard, Lawndale, California, 90260, USA

VAL Valvo Gmbh

Semiconductor Division, Oisunimachi, Oragun Gumma, JAPAN

Valvo Haus, Burchardstrasse 19, Hamburg 1, WEST GERMANY

Tokyo Sanyo Electric Company Ltd

£2.95 NET

# Towers' International of Transistor Selector

T D Towers, MBE, MA, BSc, C Eng, MIERE

