

FEATURES

- Resistances from 0.50hm to 1000hms
- Power Rating to 25Watt
- Resistance Tolerances to $\pm 0.01\,\%$
- TCR to ±1ppm/K
- Load Stability to 0.01%





TABLE 1-SPECIFICATIONS		
ТҮРЕ		USR 4-1414
Resistance Range		0.5 to 100 Ohms
Power Rating	Free air 70°C	0.8 W
	With heatsink	25 W
Tolerances from 0.5 Ohms from 1.0 Ohms Thermal Resistance		0.1% / 0.25% / 0.5% / 1% 0.01% / 0.02% / 0.05% / 0.1% / 0.25% / 0.5% / 1% < 4.2 K/W
Stability (1000h)		0.01%
Temperature Coefficient		max. ±5ppm/K (-55 to 155°C) typ. ±3ppm/K (-55 to 125°C) upon request ±1ppm/K (25 to 60°C)
Voltage Proof		1.5 kVDC
Thermal EMF		< 0.1µV/K
Operating Temperature Range		-55 to 155°C
Resistor Material		NiCr-Foil
Substrate		Al2O3 upon request: AIN
Housing		Plastic / Epoxy
Connector Material		Cu / tinned
Terminals		4 (standard contact D)

ORDERING INFORMATION

Part Number - Resistance - Contact - Tolerance - TCR (if not standard)

USR 4-1414 0R500 D 0.5% 1ppm/K (25 to 60°C)

-700 -75

-50

-25

0

25

50

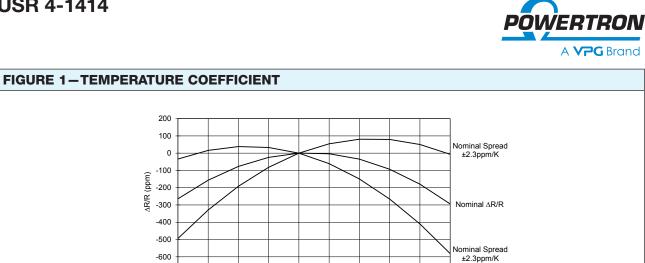
Temperature (°C)

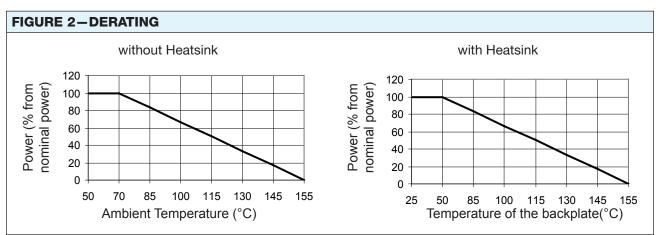
75

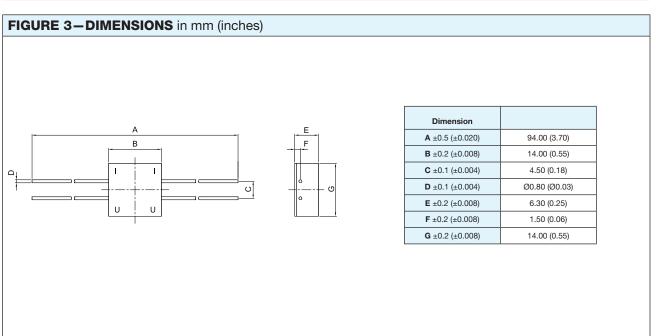
100

125

150









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