

FEATURES

- Resistances from 0.10hm to 100MOhms
- Power Rating 0.35 to 2.0Watt
- Resistance Tolerances to ± 1.0%
- TCR's to ± 25 ppm/K
- Thick Film Resistance Element
- Sizes: 1210 / 2010 / 2512 / 4020





TABLE 1—SPECIFICATIONS								
Туре		1210	2010	2512 (M)	4020 (M)			
Power Rating (W) ¹		0.35	0.75³	1.0 / 1.53	2.03			
Working Voltage (U_,Ueff(V))	Trimmed	200	250	300 (1000)	500 (4000)			
	Untrimmed (≥ 5%)	600	900	1200 (2000)	1500 (6000)			
Resistance Range (Ω)		Tolerances Available (%) Temperature Coefficients Available (± ppm/K)² (lower TCR upon request)						
0.1Ω - <1Ω		5% to 20% 250	5% to 20% 250	5% to 20% 250	5% to 20% 250			
1Ω - <100Ω		1% to 20% 100 / 250	1% to 20% 100 / 250	1% to 20% 100 / 250	1% to 20% 100 / 250			
100Ω - <100kΩ		1% to 20% 50² / 100	1% to 20% 50² / 100	0.5% to 20% 50² / 100	0.5% to 20% 50² / 100			
100kΩ - 100M		1% to 20% 50² / 100	1% to 20% 25 / 50² / 100	1% to 20% 25 / 50² / 100	1% to 20% 25 / 50² / 100			

¹W @ 70 °C / 0W @ 155 °C ²50 PPM: +25 °C to +125 °C ³ Structure for higher voltage

Specification	Value
Temperature Range	-55°C to +155°C
Climactic Cetegory	55 / 155 / 56
Solderability	250°C / 3s
Max. Soldering Temperature	260°C / 10s

ORDERING INFORMATION

Part Number - Resistance - Tolerance - TCR - Packaging

CRS 2512 1 Ohm 5% 100ppm Tape

(Note: if no TCR is specified, the highest value will be supplied)



TABLE 1-SPECIFICATIONS (continued)

Long Torm Stability	Max ∆R		
Long Term Stability	<10Ω	10Ω - 100M	
Storage 125°C / 1000h	<1%	<0.5%	
Storage 155°C / 1000h	<2%	<1%	
Load Life / P=70% / 70°C / 1000h	<2%	<1%	
Short term overload (2.5 x rated power for 5 sec)	<0.5%	<0.25%	
Humidity / 96%RH / 40°C / 56 days	<1%	<0.5%	

FIGURE 1-DERATING

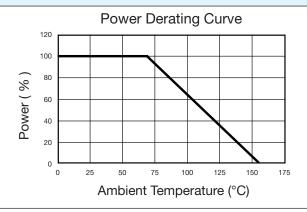
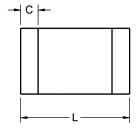
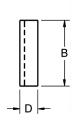


FIGURE 2-DIMENSIONS in mm

Туре	Dimensions				
Туро	L	В	D	С	
CRW 1210	3,2 +0,2/-0,05	2,5 +0,2/-0,05	0,5 +0,2/-0,1	0,8 ±0,2	
CRW 2010	5,1 +0,2/-0,05	2,5 +0,2/-0,05	0,6 +0,2/-0,1	1,2 ±0,2	
CRW 2512	6,3 +0,2/-0,05	3,5 +0,2/-0,05	0,6 +0,2/-0,1	0,9 ±0,2	
CRW 4020	10,2 +0,2/-0,05	5,1 +0,2/-0,05	0,6 +0,2/-0,1	0,9 ±0,2	







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Document No.: 63999 Revision: 15-Jul-2014