

**FEATURES**

- Resistances from 5.1Ohm to 15MOhms
- Power Rating to 0.75 Watts
- Resistance Tolerances to  $\pm 0.05\%$
- TCR's to  $\pm 5$  ppm/K
- Working Voltage 1000 VDC
- Precision / Thin Film Resistance Element



**RoHS\***  
COMPLIANT

**TABLE 1 – SPECIFICATIONS**

Type	1206	2512
Power Rating ( W ) <sup>1</sup>	0.25	0.75
Working Voltage ( VDC )	1000	1000
Resistance Range ( $\Omega$ )	Tolerances Available ( % ) Temperature Coefficients Available ( $\pm$ ppm/K ) <sup>2</sup>	
5.1 $\Omega$ - <10 $\Omega$	0.1% to 1% 25 / 50	0.1% to 1% 25 / 50
10 $\Omega$ - <47 $\Omega$	0.1% to 1% 10 / 15 / 25 / 50	0.1% to 1% 10 / 15 / 25 / 50
47 $\Omega$ - <100 $\Omega$	0.1% to 1% 5 / 10 / 15 / 25 / 50	0.1% to 1% 5 / 10 / 15 / 25 / 50
100 $\Omega$ - 1M	0.05% to 1% 5 / 10 / 15 / 25 / 50	0.1% to 1% 5 / 10 / 15 / 25 / 50
>1M - 2M	0.1% to 1% 5 / 10 / 15 / 25 / 50	0.1% to 1% 5 / 10 / 15 / 25 / 50
>2M - 5M	0.1% to 1% 15 / 25 / 50	0.1% to 1% 10 / 15 / 25 / 50
>5M - 15M	-	0.1% to 1% 10 / 15 / 25 / 50

<sup>1</sup>W @ 70 °C / 0W @ 125 °C  
<sup>2</sup>5 / 10 / 15 PPM : +25 °C to +85 °C

**ORDERING INFORMATION**

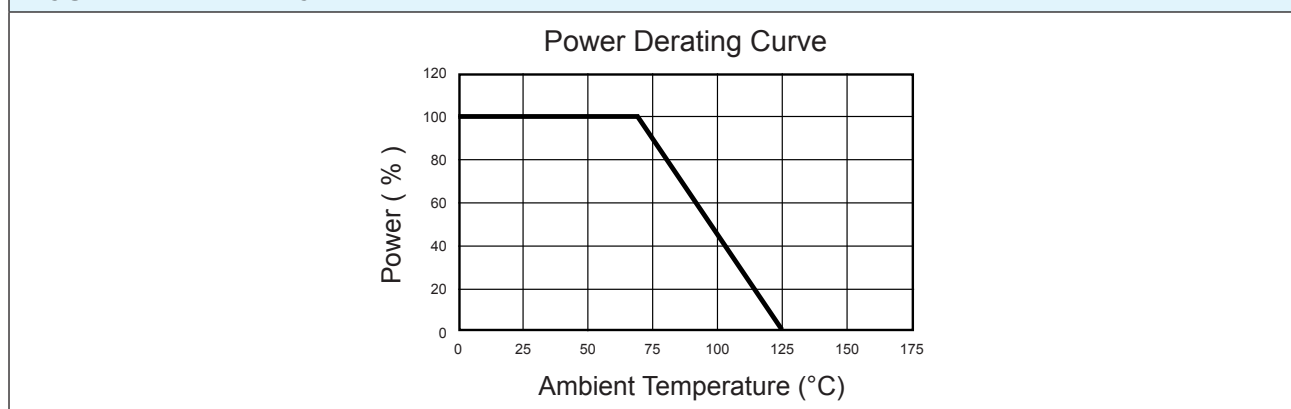
**Part Number - Resistance - Tolerance - TCR - Packaging**

CRV 1206 10 kOhms 0.1% 10ppm Tape  
( Note: if no TCR is Specified / The highest value will be supplied  
Tape available from 100 pieces)

**TABLE 1 – SPECIFICATIONS (continued)**

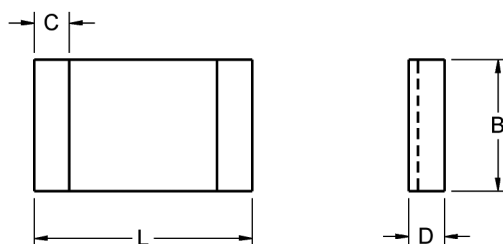
Temperature Range	-55°C to +125°C	
Solderability	245°C / 3s	
Max. Soldering Temperature	260°C / 10s	
Long Term Stability	Max ΔR	
	< 47Ω	47Ω - 15 MΩ
Storage 155°C / 1000h	<±0.5%	<±0.35%
Storage 125°C / 1000h	<±0.25%	<±0.15%
Load Life / P=70% / 70°C / 1000h	<±0.25%	<±0.1%
Humidity / 96%RH / 40°C / 56 days	<±0.5%	<±0.15%

**FIGURE 1 – DERATING**



**FIGURE 2 – DIMENSIONS** in inches [mm]

Type	Dimensions			
	L	B	D	C
CMF 1206	0.126 ±0.008 [ 3.2 ±0.2 ]	0.063 ±0.006 [ 1.6 ±0.15 ]	0.022 ±0.004 [ 0.55 ±0.1 ]	0.020 ±0.008 [ 0.5 ±0.2 ]
CMF 2512	0.248 ±0.008 [ 6.3 ±0.2 ]	0.126 ±0.006 [ 3.2 ±0.15 ]	0.022 ±0.008 [ 0.55 ±0.2 ]	0.020 ±0.008 [ 0.5 ±0.2 ]





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