

# SC-2

Four Terminal / Surface Mount Wirewound Resistors



- Resistances from 0.005 to 1kOhms
- Tolerance to  $\pm 0.005\%$
- TCR's to  $\pm 5\text{ppm}/^\circ\text{C}$
- Superior Surge Handling Capability
- Up to 25A Current
- Reel Packaging
- Non-Inductive Windings are Available (Type SCN)

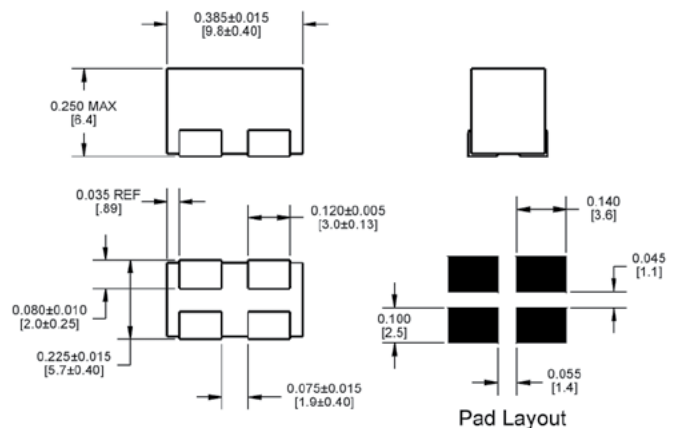
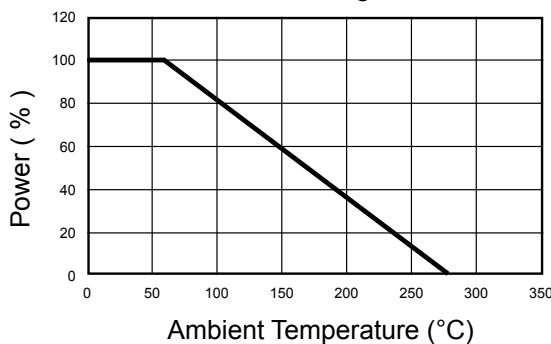
## SPECIFICATIONS

Type	Power Rating Watts @ 70°C	Maximum Current	Resistance Range ( $\Omega$ )	Minimum Tolerance <sup>1</sup>	Minimum TC <sup>1</sup>
SC-2	2W	25A	0.005 to 1 1 to 10 10 to 100 >100	$\pm 0.1\%$ $\pm 0.05\%$ $\pm 0.01\%$ $\pm 0.005\%$	$\pm 30\text{ppm}/\text{K}$ $\pm 20\text{ppm}/\text{K}$ $\pm 10\text{ppm}/\text{K}$ $\pm 5\text{ppm}/\text{K}$

<sup>1</sup> Contact Factory for others.

Specification	Value	
Temperature Range	-55°C to +275°C	
Dielectric Strength	1000 VAC	
Insulation Resistance	>1000 MOhms / Dry	
Environmental Performance (MIL-STD 202)	$\Delta R$	Test Conditions
Load Life	$\pm 1\%$	70°C / 90 min ON / 30 min OFF / 1000 hr
Moisture Resistance	$\pm 1\%$	40°C / 90-95% RH / DC 0.1W / 1000 hr
Temperature Cycling	$\pm 0.5\%$	-40°C for 30 min / +125°C for 30 min / 1000 hr
Short Term Overload	$\pm 0.5\%$	5X rated power for 5 seconds

Power Derating Curve



## Ordering Information

For Non-Inductive Windings / insert the letter "N" ( i.e. SCN-2 )

Part Description: Part Type - Resistance - Tolerance - TCR ( If not standard )

Example: SC-2 1 Ohm 0.1%