

## FEATURES

- Resistances from 0.0010hm to 100hms
- Power Rating to 2 Watt
- Resistance Tolerances to  $\pm 0.1\%$
- TCR to ±15ppm/K
- Load Stability to 0.1%





TABLE 1-SPECIFICATIONS			
ТҮРЕ		PCS202	
Resistance Range		0.001 to 10 Ohms	
Power Rating	Free air 70°C	2W	
Tolerances 0.001 to 0.010 Ohms > 0.010 to 10 Ohms		1% / 2% 0.1% / 0.25% / 0.5% / 1% / 2% 0.1% / 0.2% / 0.5%	
Stability (1000h)		(depends on stress)	
Temperature Coefficient 0.001 to 0.050 Ohms (Q) > 0.050 Ohms (P)		±25 ppm/K (20 to 60°C) ±15 ppm/K (20 to 60°C) other specifications upon request	
Insolation Resistance		> 10 GOhm	
Thermal EMF		< 1µV/K	
Operating Temperature Range		-40 to 130°C	
Resistor Material		CuNiMn-Foil	
Substrate		Anodized aluminium	
Housing		Epoxy sintered	
Connector Material		Cu / tinned	
Max. Current (A)		40	
Terminals		4 (S - Standard contact)	

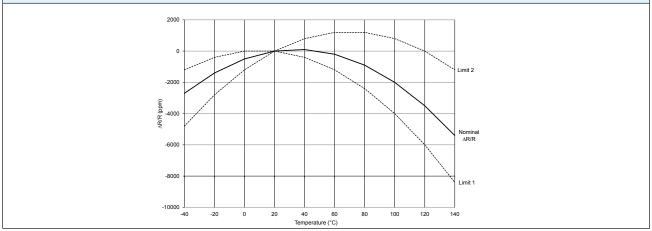
#### **ORDERING INFORMATION**

Part Number - Resistance - Contact - Tolerance - TCR

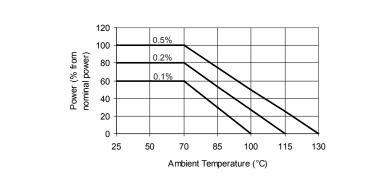
PCS202 0R010 S 1.0% Q



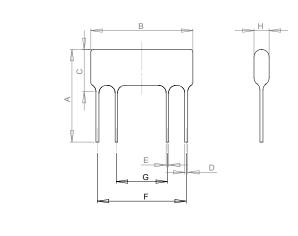
### FIGURE 1-TEMPERATURE COEFFICIENT



# FIGURE 2-DERATING



# FIGURE 3-DIMENSIONS in mm (inches)



Dimension	S-contact
A (Maximum)	42.00 (1.65)
B (Maximum)	31.50 (1.24)
C (Maximum)	13.00 (0.51)
<b>D</b> ±0.2 (±0.008)	1.00 (0.04)
<b>E</b> ±0.2 (±0.008)	0.80 (0.03)
<b>F</b> ±0.2 (±0.008)	27.50 (1.08)
<b>G</b> ±0.2 (±0.008)	17.50 (0.69)
H (Maximum)	4.50 (0.18)



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