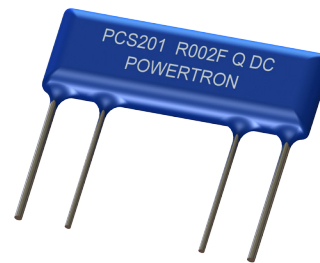


FEATURES

- Resistances from 0.001Ohm to 10Ohms
- Power Rating to 1.5 Watt
- Resistance Tolerances to $\pm 0.1\%$
- TCR to $\pm 15\text{ppm/K}$
- Load Stability to 0.1%



RoHS*
COMPLIANT

TABLE 1 – SPECIFICATIONS		
TYPE		PCS201
Resistance Range		0.001 to 10 Ohms
Power Rating	Free air 70°C	1.5W
Tolerances		1% / 2%
0.001 to 0.010 Ohms		0.1% / 0.25% / 0.5% / 1% / 2%
> 0.010 to 10 Ohms		
Stability (1000h)		0.1% / 0.2% / 0.5% (depends on stress)
Temperature Coefficient		± 25 ppm/K (20 to 60°C)
0.001 to 0.050 Ohms (Q)		± 15 ppm/K (20 to 60°C)
> 0.050 Ohms (P)		other specifications upon request
Insulation Resistance		> 10 GOhm
Thermal EMF		< 1 μ V/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)		35
Terminals		4 (S - Standard contact)

ORDERING INFORMATION
Part Number - Resistance - Contact - Tolerance - TCR
PCS201 0R010 S 1.0% Q

FIGURE 1 – TEMPERATURE COEFFICIENT

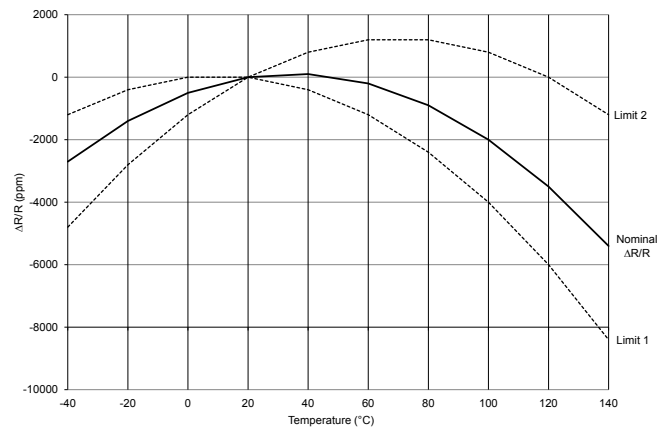


FIGURE 2 – DERATING

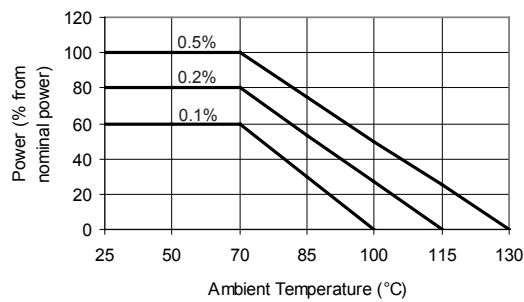
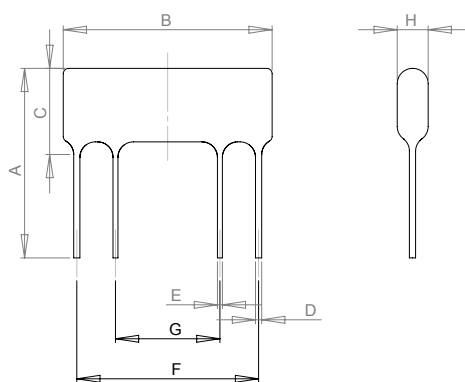


FIGURE 3 – DIMENSIONS in mm (inches)



Dimension	S-contact
A (Minimum)	21.20 (0.84)
B (Maximum)	27.00 (1.06)
C (Maximum)	9.50 (0.38)
D ±0.2 (±0.008)	Ø 0.80 (0.03)
E ±0.2 (±0.008)	Ø 0.60 (0.024)
F ±0.2 (±0.008)	23.50 (0.93)
G ±0.2 (±0.008)	13.50 (0.53)
H (Maximum)	4.50 (0.18)



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