

FEATURES

- Resistances from 0.005Ohm to 50Ohms
- Power Rating to 2 Watt
- Resistance Tolerances to $\pm 0.1\%$
- TCR to $\pm 2\text{ppm/K}$
- Load Stability to 0.1%



RoHS*
COMPLIANT

TABLE 1 – SPECIFICATIONS	
TYPE	
TYPE	
SPR 4-3316	
Resistance Range	
0.005 to 50 Ohms	
Power Rating	Free air 70°C
2W	
Tolerances	
0.1% / 0.25% / 0.5% / 1% / 2%	
Stability (1000h)	
0.1% / 0.2% / 0.5% (depends on stress)	
Temperature Coefficient	
Standard (N)	
Option (M)	
Option (L) upon request for selected values	
$\pm 10\text{ppm/K}$ (20 to 60°C)	
$\pm 5\text{ppm/K}$ (20 to 60°C)	
$\pm 2\text{ppm/K}$ (20 to 60°C)	
other specifications upon request	
Insulation Resistance	
> 10 GOhm	
Thermal EMF	
< 1 $\mu\text{V/K}$	
Operating Temperature Range	
-40 to 130°C	
Resistor Material	
CuMnSn-Foil	
Substrate	
Anodized aluminium	
Housing	
Epoxy sintered	
Connector Material	
Cu / tinned	
Terminals	
4	

ORDERING INFORMATION
Part Number - Resistance - Contact - Tolerance - TCR
FPR 4-3316 0R010 A 1.0% M

FIGURE 1 – TEMPERATURE COEFFICIENT

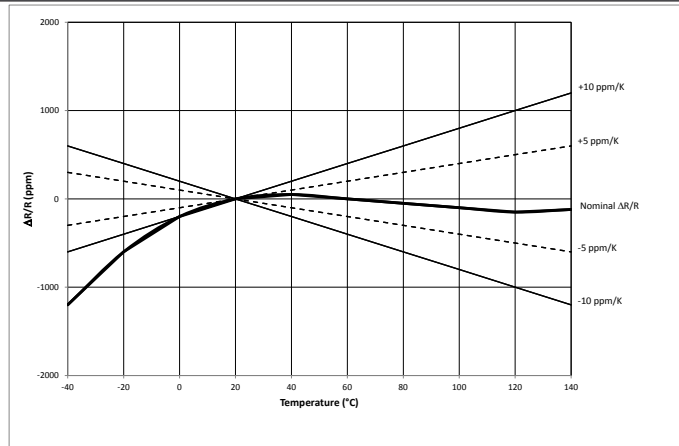


FIGURE 2 – DERATING

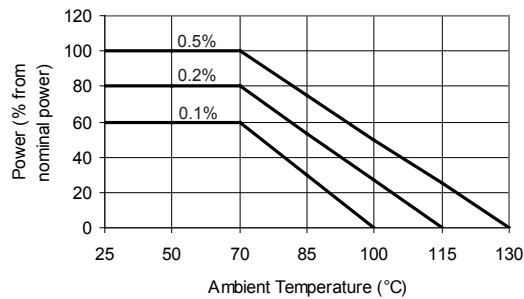
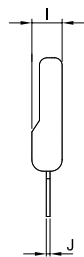
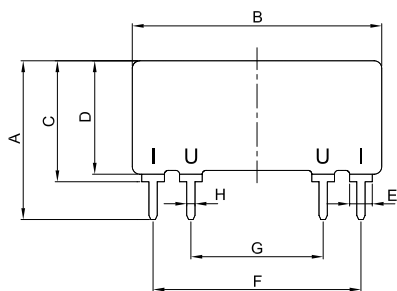


FIGURE 3 – DIMENSIONS in mm (inches)



Dimension	A-contact	K-contact
A ±0.2 (±0.008)	21.00 (0.83)	
B ±0.2 (±0.008)	33.00 (1.30)	
C ±0.2 (±0.008)	16.00 (0.63)	
D ±0.2 (±0.008)	15.00 (0.59)	
E ±0.1 (±0.004)	3.00 (0.12)	
F ±0.2 (±0.008)	27.50 (1.08)	
G ±0.2 (±0.008)	17.50 (0.69)	
H ±0.1 (±0.004)	1.50 (0.06)	1.10 (0.04)
I ±0.2 (±0.008)	4.30 (0.17)	
J ±0.1 (±0.004)	0.80 (0.03)	0.50 (0.02)

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