

**FEATURES**

- Resistances from 0.001Ohm to 100Ohms
- Power Rating to 2 Watt
- Resistance Tolerances to  $\pm 0.1\%$
- TCR to  $\pm 25\text{ppm/K}$
- Load Stability to 0.1%



Pb-free  
Available  
**RoHS\***  
COMPLIANT

**TABLE 1 – SPECIFICATIONS**

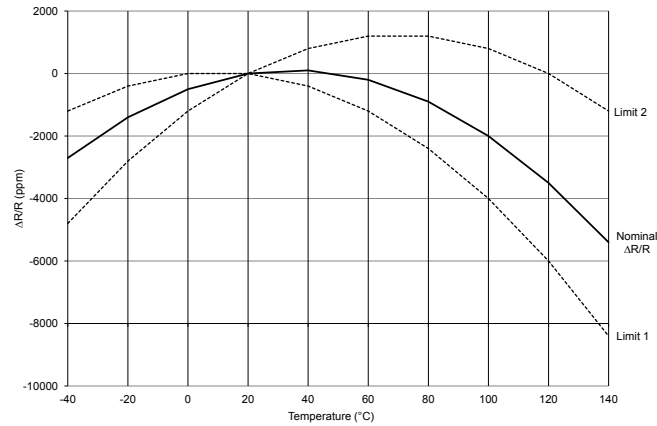
TYPE		FPR 4-3316
Resistance Range		0.001 to 100 Ohms
Power Rating	Free air 70°C	2W
Tolerances		0.1% / 0.25% / 0.5% / 1% / 2%
Stability (1000h)		0.1% / 0.2% / 0.5% (depends on stress)
Temperature Coefficient Standard (Q) Extended Temperature Range (R)		$\pm 25\text{ ppm/K}$ (20 to 60°C) $\pm 50\text{ ppm/K}$ (-40 to 130°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		CuNiMn-Foil
Substrate		Anodized aluminium
Housing		Epoxy sintered
Connector Material		Cu / tinned
Terminals		4

**ORDERING INFORMATION**

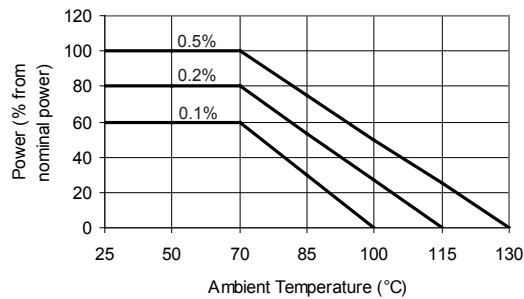
**Part Number - Resistance - Contact - Tolerance - TCR**

FPR 4-3316 0R010 A 1.0% Q

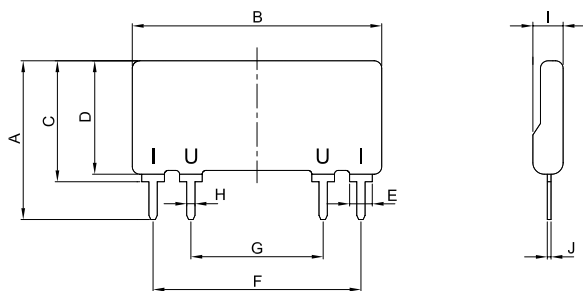
**FIGURE 1 – TEMPERATURE COEFFICIENT**



**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)	2.80 - 4.00 (0.11 - 0.16)	
J ±0.1 (±0.004)	0.80 (0.03)	0.50 (0.02)



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