

FEATURES

- Resistances from 0.01Ohm to 100Ohms
- Power Rating to 2Watt
- Resistance Tolerances to $\pm 0.1\%$
- TCR to $\pm 15\text{ppm/K}$
- Load Stability to 0.1%



RoHS*
COMPLIANT

TABLE 1 – SPECIFICATIONS				
TYPE		FPR 2-1617	FPR 2-1623	FPR 2-2614
Resistance Range		0.01 to 20 Ohms		0.01 to 100 Ohms
Power Rating	Free air 70°C	1 W	2 W	
Tolerances		0.5% / 1% / 2% / 5%		
from 0.01 Ohms		0.25% / 0.5% / 1% / 2% / 5%		
from 0.02 Ohms		0.1% / 0.25% / 0.5% / 1% / 2% / 5%		
from 1.0 Ohms				
Stability (1000h)		0.1% / 0.2% / 0.5% (depends on stress)		
Temperature Coefficient		$\pm 50\text{ppm/K}$ (20 to 60°C) other specifications upon request		
Insulation Resistance		> 10 GOhm		
Thermal EMF		<0.1 $\mu\text{V/K}$		
Operating Temperature Range		-40°C to 130°C		
Resistor Material		CuNiMn-Foil		
Substrate		Anodized aluminium		
Housing		Epoxy sintered		
Connector Material		Cu / tinned		
Terminals		2		

ORDERING INFORMATION
Part Number - Resistance - Contact - Tolerance
FPR 2-2614 0R010 A 1%

FIGURE 1 – TEMPERATURE COEFFICIENT

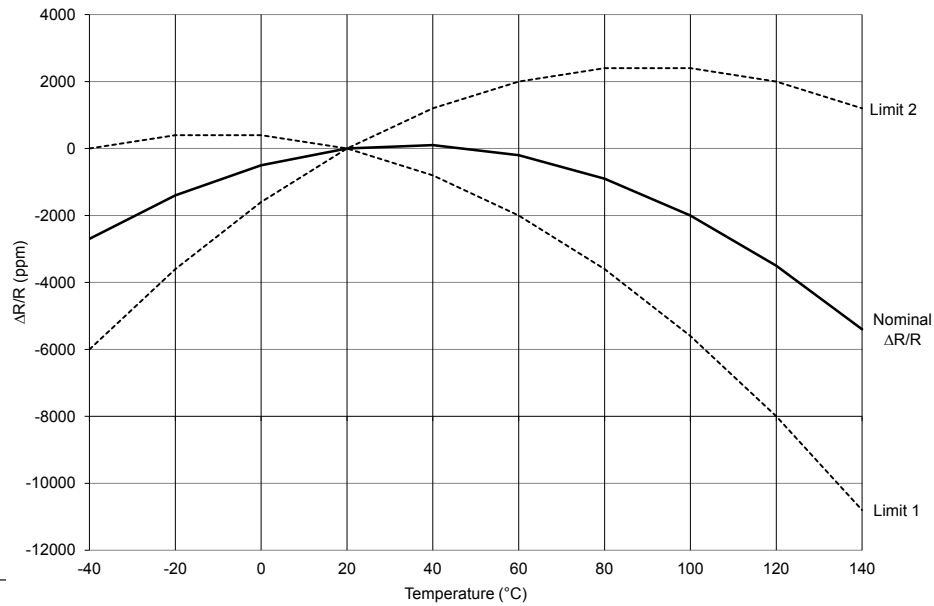


FIGURE 2 – DERATING

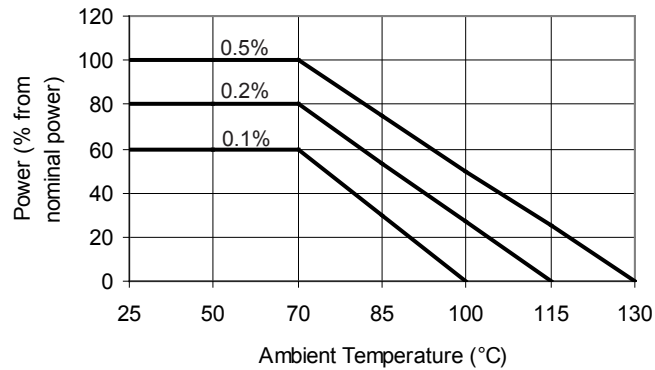
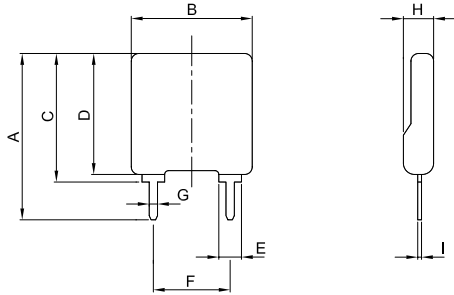


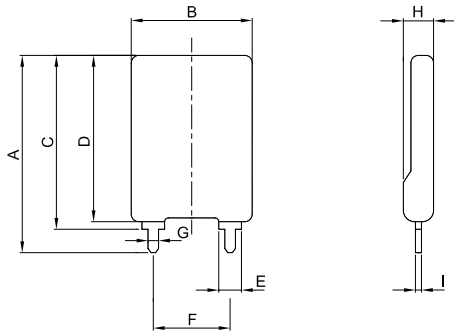
FIGURE 3—DIMENSIONS in MM (inches)

FPR 2-1617



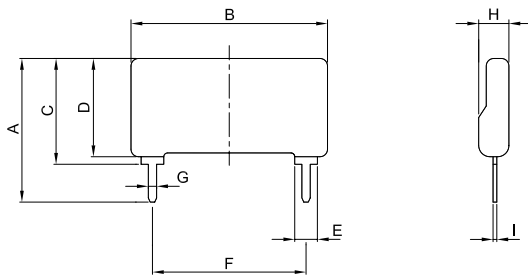
Dimension	A-Contact	K-Contact
A $\pm 0.2(\pm 0.008)$	22.00 (0.87)	
B $\pm 0.2(\pm 0.008)$	16.00 (0.63)	
C $\pm 0.2(\pm 0.008)$	17.00 (0.67)	
D $\pm 0.2(\pm 0.008)$	16.00 (0.63)	
E $\pm 0.1(\pm 0.004)$	3.00 (0.12)	
F $\pm 0.2(\pm 0.008)$	10.16 (0.40)	
G $\pm 0.1(\pm 0.004)$	1.50 (0.06)	1.10 (0.04)
H $\pm 0.2(\pm 0.008)$	2.80 - 4.00 (0.11 - 0.16)	
I $\pm 0.1(\pm 0.004)$	0.80 (0.03)	0.50 (0.02)

FPR 2-1623



Dimension	A-Contact
A $\pm 0.2(\pm 0.008)$	26.10 (1.03)
B $\pm 0.2(\pm 0.008)$	16.00 (0.63)
C $\pm 0.2(\pm 0.008)$	23.00 (0.91)
D $\pm 0.2(\pm 0.008)$	22.00 (0.87)
E $\pm 0.1(\pm 0.004)$	3.00 (0.12)
F $\pm 0.2(\pm 0.008)$	10.16 (0.40)
G $\pm 0.1(\pm 0.004)$	1.50 (0.06)
H $\pm 0.2(\pm 0.008)$	2.80 - 4.00 (0.11 - 0.16)
I $\pm 0.1(\pm 0.004)$	0.80 (0.03)

FPR 2-2614



Dimension	A-Contact	K-Contact
A $\pm 0.2(\pm 0.008)$	19.00 (0.75)	
B $\pm 0.2(\pm 0.008)$	26.00 (1.02)	
C $\pm 0.2(\pm 0.008)$	14.00 (0.55)	
D $\pm 0.2(\pm 0.008)$	13.00 (0.51)	
E $\pm 0.1(\pm 0.004)$	3.00 (0.12)	
F $\pm 0.2(\pm 0.008)$	20.32 (0.80)	
G $\pm 0.1(\pm 0.004)$	1.50 (0.06)	1.10 (0.04)
H $\pm 0.2(\pm 0.008)$	2.80 - 4.00 (0.11 - 0.16)	
I $\pm 0.1(\pm 0.004)$	0.80 (0.03)	0.50 (0.02)



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