FPA250 Thick Film Power Resistors

Due to a Non-Inductive design these elements are ideally suited for high frequency and pulse load applications. the FPA250 is available connected as 2 terminals or 4 terminals, in parallel or series.

- Non Inductive Performance for HF Applications
- Power Applications 100W to 600W
- Very Good Power/Volume Ratio
- RoHS Compliant

Characteristics

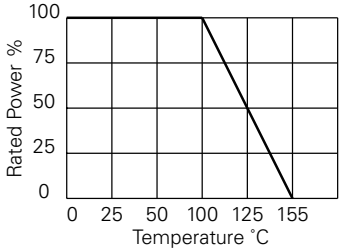
Power rating:	250W (heatsink at 100°C)	Partial discharge:	≤10pC / 5000Vac
Resistance range:	From 1R to 2M ohm E6 Series	Self inductance:	40nH
Tolerance (Code):	Standard J (±5%) and K (±10%)	Parallel capacitance:	40pF
	Also available F (±1%) on request	Capacitance/Mass:	≤120pF
Temperature coefficient:	100ppm/°C	Overload:	4Pn x 10 sec
Max working voltage:	5000Vac	Thermal resistance:	0.15°C/W
Working temperture range:	-55°C to +155°C	Heatsink flatness:	0.05mm max
Dielectric strength:	7000Vac	Heatsink surface finish:	6.3 µm max
Insulation resistance:	≥ 10Gohm at 500V	Thermal grease:	Required
Creepage distance:	40mm	Max torque for contacts:	2Nm (static)
Air gap distance:	14mm	Max torque for mounting:	1.8Nm (static)

Ordering Procedure

Standard (Version 1) Resistor Specify Series, Watts, Ohmic Value, Tolerance Code, e.g.: FPA250 10R J

Versions 2, 3, 4 or 5 Specify Series, Watts, Ohmic Value or Values, Tolerance Code and then Version Number, e.g.: FPA250 10R 10R J version 4.
Refer to versions available on page 2.

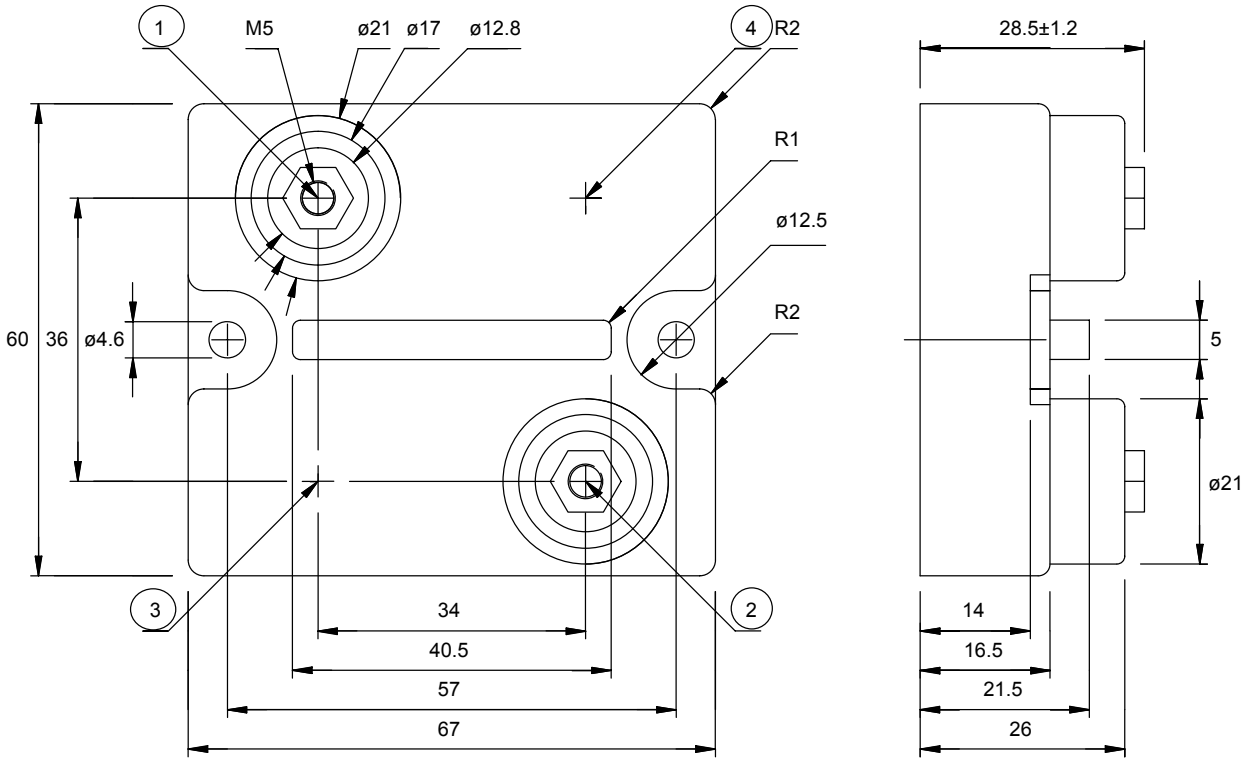
Derating Curve



ARCOL UK Limited,
Threemilestone Ind. Estate,
Truro, Cornwall, TR4 9LG, UK.
T +44 (0) 1872 277431
F +44 (0) 1872 222002
E sales@arcolresistors.com

www.arcolresistors.com

Dimensions (mm)



Versions Available