

Thick film resistors series FPA 250

Data sheet

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%) Also available F (±1%) on request	Parallel capacitance:	40pF
Temperature coefficient:	100ppm/°C	Capacitance/Mass:	≤120pF
Max working voltage:	5000Vac	Overload:	4Pn x 10 sec
Working temperature range:	-55°C to +155°C	Thermal resistance:	0.15°C/W
Dielectric strength:	7000Vac	Heatsink flatness:	0.05mm max
Insulation resistance:	≥ 10Gohm at 500V	Heatsink surface finish:	6.3 μm max
Creepage distance:	40mm	Thermal grease:	Required
Air gap distance:	14mm	Max torque for contacts:	2Nm (static)
		Max torque for mounting:	1.8Nm (static)

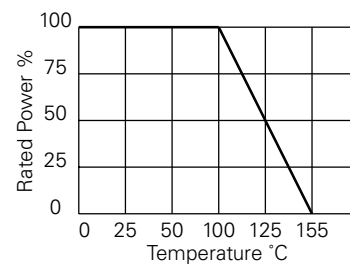
Ordering Procedure

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

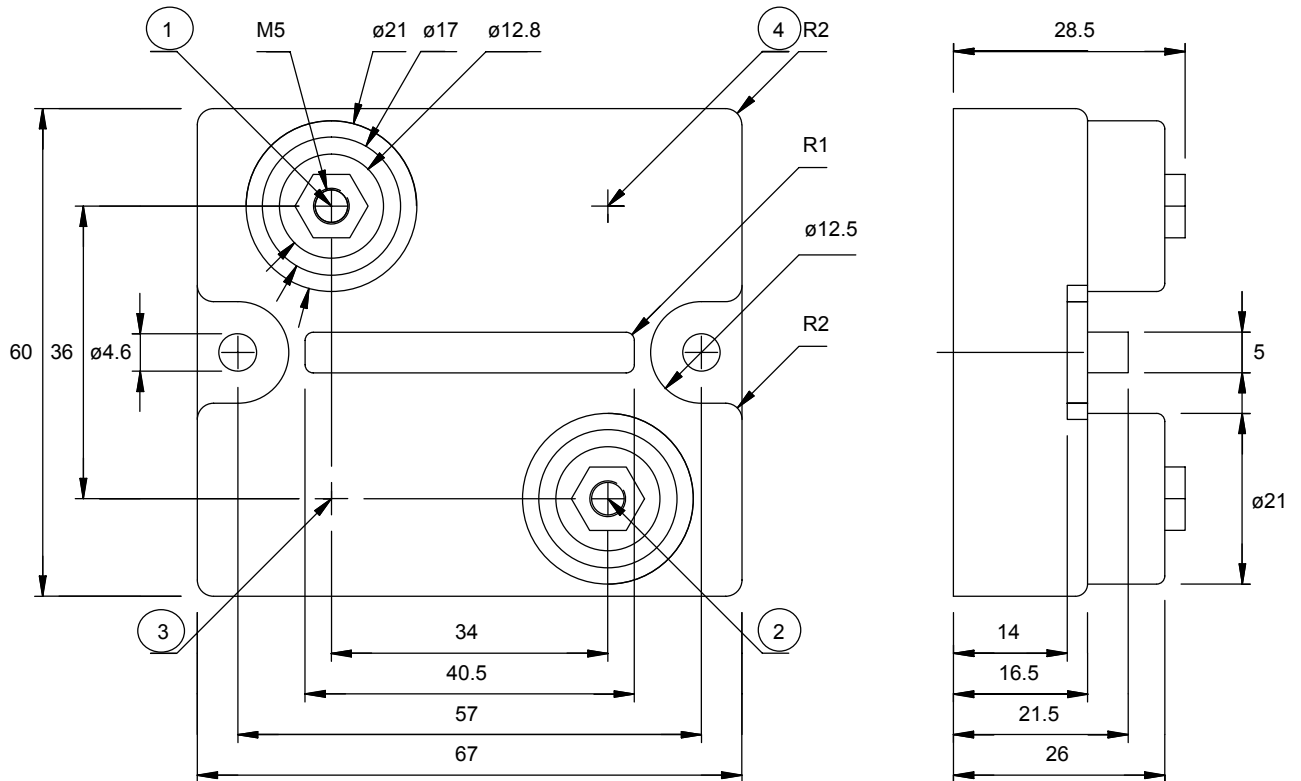


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Dimensions (mm)



Versions Available

