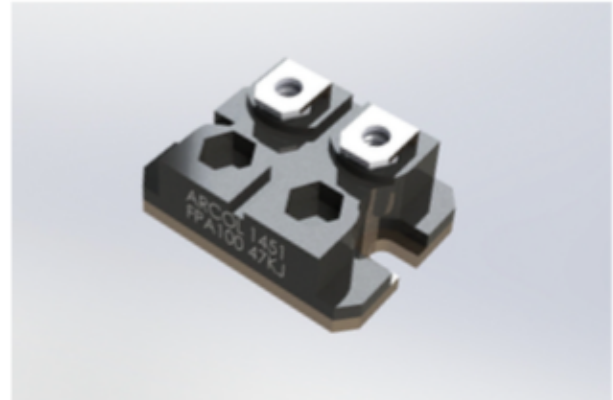


FPA100 Thick Film Power Resistors

Due to a Non-Inductive design these elements are ideally suited for high frequency and pulse load applications. The FPA100 is available connected as 2 terminals or 4 terminals, in parallel or series.

- SOT227 Style package
- Competitively priced
- 100 Watts dissipation in a small footprint
- Very low inductance
- Direct heatsink mounting



Characteristics

| | |
|--------------------------------------|--|
| Ohmic value range: | E24, contact ARCOL for values outside this series |
| Tolerance (Code): | Standard J ($\pm 5\%$). K ($\pm 10\%$) available for 1R to 10R values. F ($\pm 1\%$) also available on request. |
| TCR: | 100ppm (at +105°C ref to +25°C) |
| Power rating at 25° C: | 100W |
| Max working voltage: | 1kV rms |
| Resistance range: | 1R to 5M |
| Voltage proof: | Dielectric strength 4kVdc |
| Partial discharge: | Up to 2kV rms / 80 pC |
| Capacitance/mass: | $\leq 40\text{pF}$ |
| Working temp range: | -55°C to +155°C |
| Max. torque for contacts (static): | 1.3Nm |
| Max. torque for base plate (static): | 1.5Nm |
| Inductance: | $\leq 50\text{nH}$ |

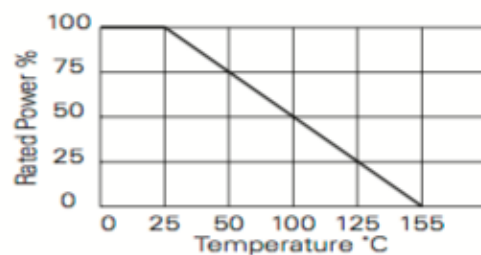
Ordering Procedure

Standard (Version 1) Resistor Specify Series, Watts, Ohmic Value, Tolerance Code, e.g.: FPA100 2R2 J

Versions 2, 3, 4 or 5 Specify Series, Watts, Ohmic Value or Values, Tolerance Code and then Version Number, e.g.: FPA100 2R2 2R2 J version 4.

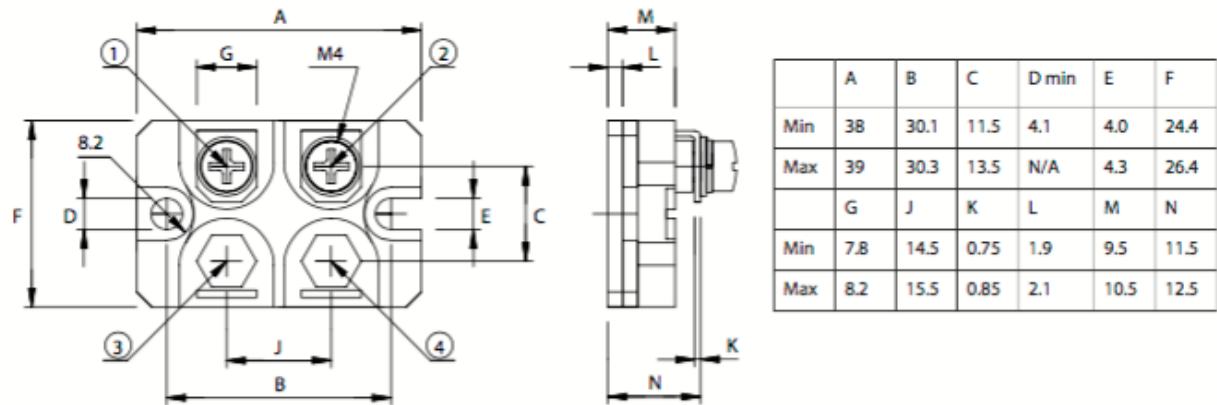
Refer to versions available on page 2.

Derating Curve



FPA100 Thick Film Power Resistors

Dimensions (mm)



Versions Available

