## **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 (±5%).

K (±10%) available for 1R to 10R values. F (±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: ≤40pF

Working temp range: -55°C to +155°C

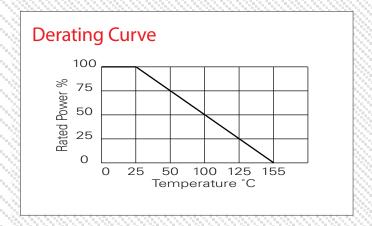
Max. torque for contacts (static): 1.3Nm Max. torque for base plate (static): 1.5Nm Inductance:  $\leq 50$ nH

## **Ordering Procedure**

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

<u>Versions 2, 3, 4 or 5</u> 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.



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It is the responsibility of the customer to ensure that the

component selected from our range is suitable for the intended application. If in doubt please ask ARCOL.

specifications may change.

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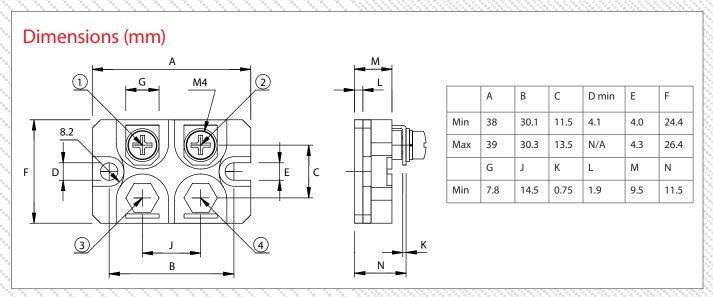
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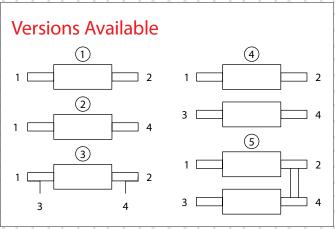
contract and is subject to change without notice. ARCOL

operate a policy of continual product development, therefore,

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