Series EVR 150

AEC-Q200 ready

Robust Power Resistor for direct mounting on a heat sink. The separate baseplate ensures a robust, excellent thermal interface to the heat sink. Fast-ON or press-fit terminals enable easy PCB connection. Typically used as a DIScharge resistor in inverter applications.

Features

- Baseplate for robust heat sink connection
- Different PCB connection (FAST-ON, wire, press-fit, solder pins)
- Great heat dissipation

Technical Specifications

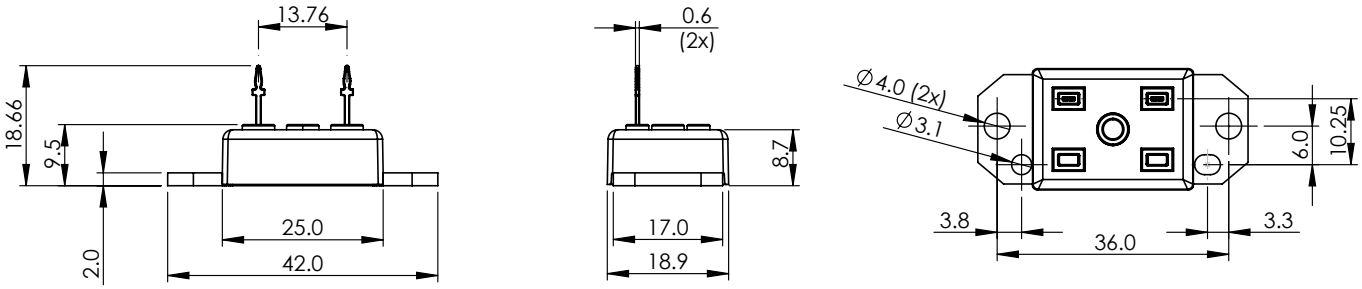
Resistance value	0.1 Ω to 1 MΩ
Resistance tolerance	± 1 % to ± 10 %
Temperature coefficient	R ≤ 10 Ω: ± 350 ppm/°C R > 10 Ω: ± 250 ppm/°C (referenced to 25 °C, dR taken at ~ 85 °C)
Power rating	150 W at 85 °C bottom case temperature
Short time overload	1.25x rated power at 85 °C bottom case for 200 ms
Operating voltage	1000 V
Dielectric strength	3000 V DC
Thermal resistance	0.45 K/W
Operating temperature range	- 55 °C to + 155 °C
Mounting	M3 screw, 1.5 Nm
Weight	~ 16 g

Typical Pulse Load

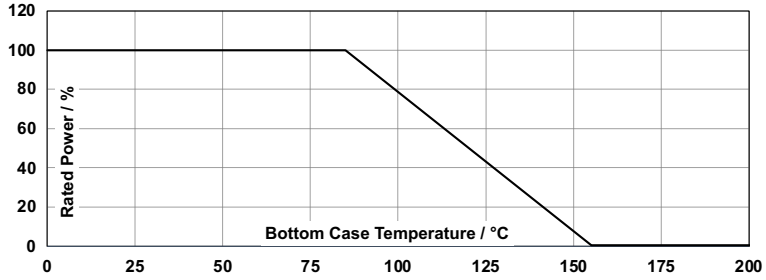
(initial resistor temperatur ≤ 85 °C)

50 J for τ = 0.1 s
70 J for τ = 0.2 s
120 J for τ = 0.5 s

Dimensions in mm



Derating Curve



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