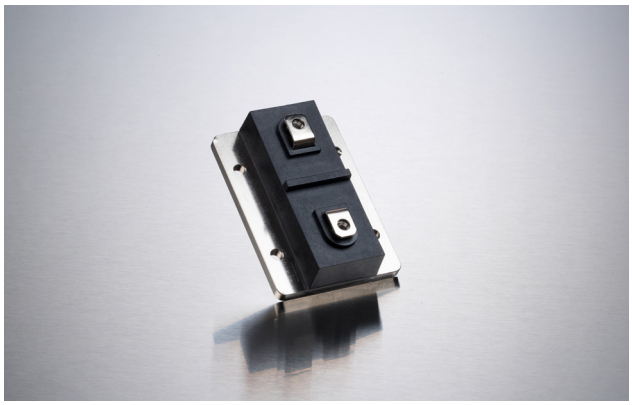
Flange Plate Power Resistor

Series RPS 100

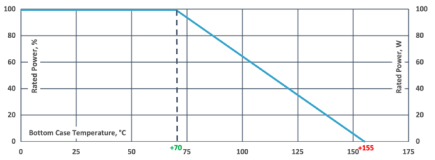
Features

- 150 W operating power
- Bottom case temperature ≤ 70°C
- Single resistor configuration
- Installation with M4 screw mounting



Technical Specifications

Resistance value	0.1 Ω to 1 MΩ
Resistance tolerance	±1 % to ±10 %
Temperature coefficient	±150 ppm/°C, lower on special request (referenced to 25 °C, ΔR taken at +108°C)
Power rating	150 W at +70°C (installed on heatsink) 10 W at +25°C free air
Maximum operating voltage	2000 V AC or 4000 V DC
Dielectric strength voltage	5 kV AC, 1 min.
Insulation resistance	> 10 GΩ at 500 V DC
Capacitance / mass	45 pF
Contact installation	M4 screw, max. torque 1 Nm
Base plate installation	M4 screw, max. torque 3 Nm
Working temperature	-55°C ~ +155°C
Weight	~65g



Derating (thermal resist.) RPS-100:
1.76 W/K (0.57 K/W)

How to make a request

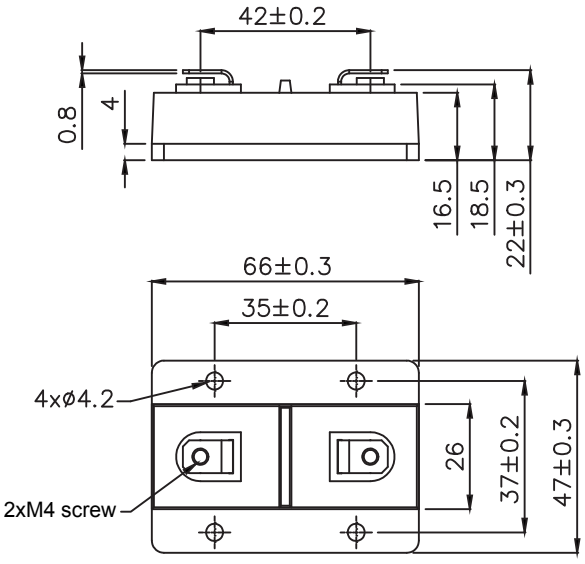
RPS-100_Ohmic Value_Tolerance

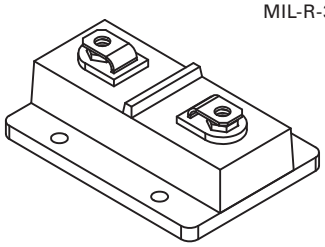
For example:
RPS-100 220R 5%

Applicable Standard

IEC60115-1: 2001 (GB/T5729-2003)
MIL-STD-202
MIL-R-39009D

Dimensions in mm





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