



Series RST5N

100 W Resistor



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The RST5N resistor series is a robust resistor for extreme high Pre-charge pulses. Suitable for high voltages up to 1000V.

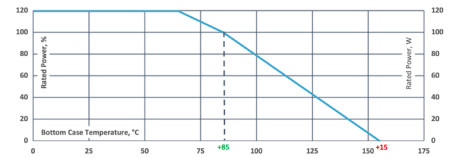
Features

- 100 W operating power
- High voltage capable
- Extreme pulse capability
- External cooling possible
- Easy connection via Fast-on
- Robust design



Technical Specifications

Resistance value	25 Ω ≤ 200 Ω (other values on special request)
Resistance tolerance	±5 % to ±10 %
Temperature coefficient	≤ 1000 ppm/°C (referenced to 25 °C, ΔR taken at ~105°C)
Power rating	100 W at 85°C bottom case temperature
Short time overload	2800 W at 70°C for 5s, ΔR = 0.5% max., one time
Maximum operating voltage	≤ 1000 V DC (pre-charge voltage)
Dielectric strength voltage	3 kVrms, 1 min., 50 Hz Leakage current < 1 mA
Insulation resistance	500 MΩ at 1000 V, 10s.
Resistor installation	M5 screw, max. torque 3 Nm
Operating temperature	-55°C to + 155°C
Weight	~148,5 g



Derating (thermal resist.) RST5N:
1.43 W/K (0.7 K/W)

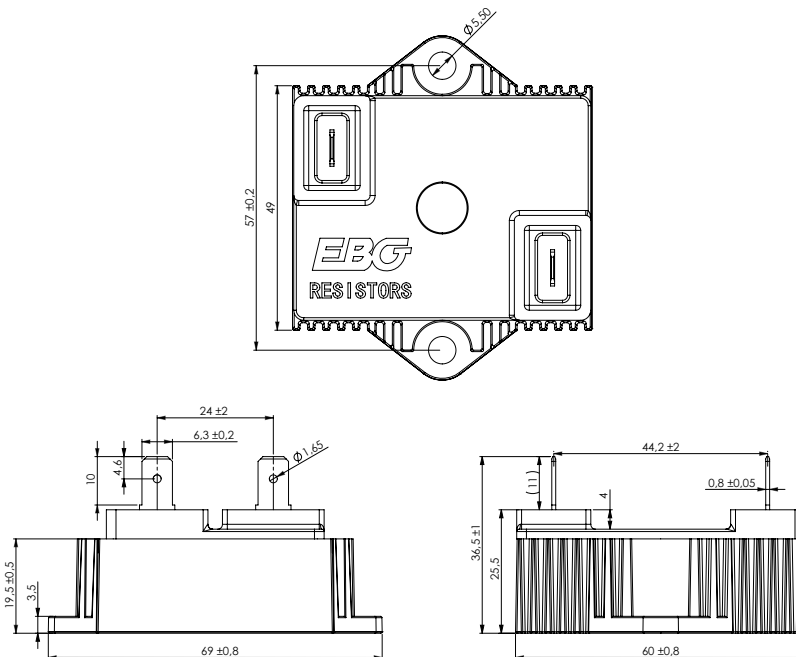
EBG power resistor cooling requirements

How to make a request

RST5N_Ohmic Value_Tolerance

For example:
RST5N 470R 5%

Dimensions in mm





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