

Thick film resistors series PR 100

Data sheet



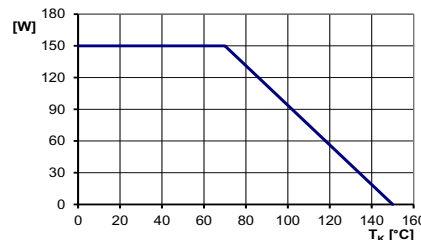
Main features

- Excellent size-performance ratio
- Low inductance execution
- Nominal power: up to 150 W
- Designed to be installed on a heat sink
- SOT227 housing

Technical specifications

Resistance range
Tolerance
Nominal power

Serie E6 from 1R0 up to 100K, other values on request
Standard: K ($\pm 10\%$), to F ($\pm 1\%$) on request
PR 100 / PR 101: 100 W
PR 102: 2 x 50 W
According to the derating curve in function of the heatsink temperature



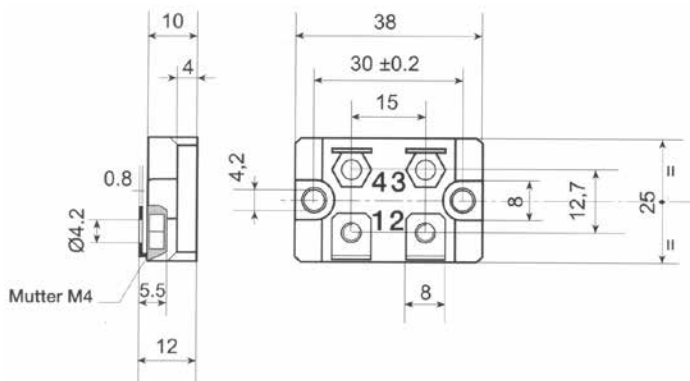
Temperature coefficient
Max. working voltage
Partial discharge
Inductance
Capacitance/mass
Thermal resistance
Heat sink surface

100 ppm/K
1500 V AC
< 80 pC/2000 V AC (on request)
40 nH
< 45 pF
0.5 K/W

Flatness: maximum 0.05 mm
Finish: maximum 6.3 μm
Thermal grease required

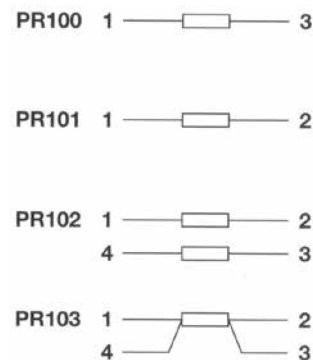
Overload
Dielectric strength
Insulation resistance
Working temperature range
Torque for terminals
Torque for mounting
Weight

2 x P_N during 10 seconds
2500 V AC
 $10^5 \text{ M}\Omega$ at 500 V
From - 55 °C up to + 155 °C
Maximum 1.2 Nm (static)
Maximum 1.5 Nm (static)
PR 100 / PR 101: 18 g
PR 102 / PR 103: 24 g



Dimensions

Connection and mounting screws supplied with the resistor



Terminal configuration