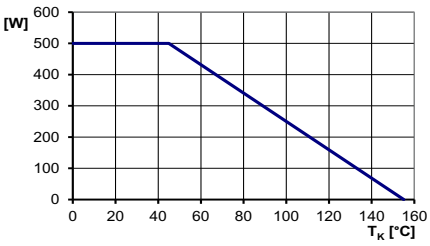
Thick film resistors series PR 250 / PR 250T
Data sheet

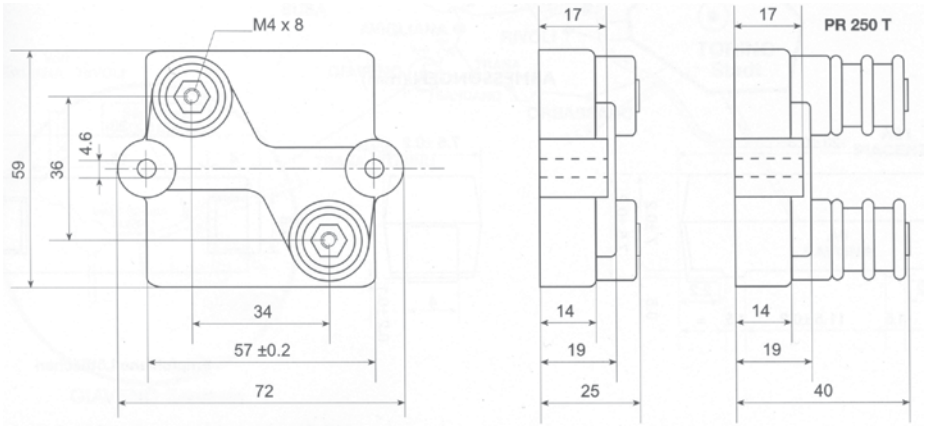
Main features
- Excellent size-performance ratio
- Low inductance execution
- Nominal power: up to 500 W
- Designed to be installed on a heat sink

Technical specification

Resistance range	Serie E6 from 1R0 up to 1MΩ, other values on request
Tolerance	Standard: K (± 10%), down to F (±1%) on request
Nominal power	250 W at T_K 100°C According to the derating curve in function of the heatsink temperature



Temperature coefficient	100 ppm/K
Max. working voltage	5000 V AC
Partial discharge	< 10 pC/5000 V AC
Inductance	80 nH
Capacitance/mass	< 120 pF
Parallel capacitance	40 pF
Thermal resistance	0.15 K/W
Heat sink surface	Flatness: maximum 0.05 mm Finish: maximum 6.3 µm Thermal grease required
Overload	4 x P_N during 10 seconds
Dielectric strength	PR 250: 7000 V AC / PR 250T: 12'000 V AC
Insulation resistance	> 10^5 MΩ at 500 V
Creepage distance	PR 250: 40 mm / PR 250T: 60 mm
Air gap distance	PR 250: 14 mm / PR 250T: 27 mm
Working temperature range	From - 55 °C up to + 155 °C
Torque for terminals	Maximum 2 Nm (static)
Torque for mounting	Maximum 2 Nm (static)
Weight	PR 250: 110 g / PR 250T: 140 g



Dimensions
Connection and mounting screws with the resistor