

PR100-101 Thick film power resistors
PR102-103

THICK FILM POWER RESISTORS PR100

FEATURES

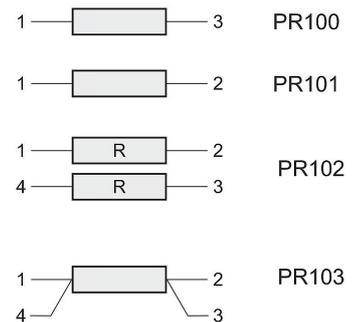
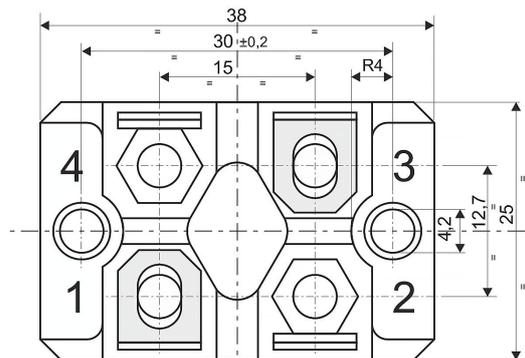
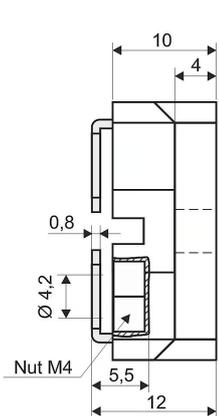
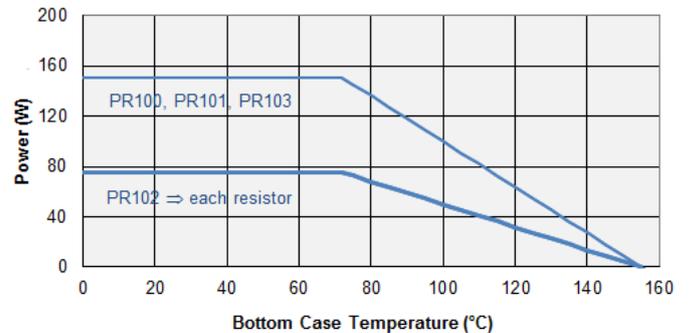
Very good ratio Power / Volume.
Easy mounting and wiring with significant cost advantages.
Non inductive performance for high frequency applications.
One model for power up to 150W.
Suited to UL94-V0 application.
SOT227 configuration.



ELECTRICAL SPECIFICATIONS

- Power rating : 100W (PR102 2 x 50W)
- Max power not trimmed : 150W (heatsink at 70°C)
- Resistance range: From 1R0 to 1M Ω , E12 series
- Tolerance: Standard 10%, up to 1% on request
- Temperature coefficient : ± 100 ppm/ $^{\circ}$ C
- Max Work Voltage : 1500 Vac
- Work Temperature Range : From -55 $^{\circ}$ C to +155 $^{\circ}$ C
- Dielectric Strength : 2500 Vac
- Insulation resistance : > 10⁸ M Ω at 500V
- Partial discharge : < 80 pC @ 2000 Vac (on request)
- Self inductance : 40 nH
- Capacitance to heatsink : < 30 pF
- Overload : 2 Pn x 10 s
- Thermal resistance : 0.5 $^{\circ}$ C/W
- Heatsink flatness : 0.05 mm Max
- Heatsink surface finish : 6.3 μ m Max
- Thermal grease : required
- Max torque for contact : 1.2 Nm (static)
- Max torque for mounting : 1.5 Nm (static)
- Weight : 18 g (PR100 / PR101)
24 g (PR102 / PR103)

PR100 - Power derating



Connection and mounting screws supplied with the resistor

