

THICK FILM POWER RESISTORS PR100

PR Series

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

Specifications

- Power rating : 100W (PR102 2 x 50W)
- Max power not trimmed : 150W (heatsink at 70°C)
- Resistance range: From 1R0 to 1M0hm, E12 series
- Tolerance: Standard 10%, up to 1% on request
- Temperature coefficient : ± 100 ppm/°C
- Max Work Voltage : 1500 Vac
- Work Temperature Range : From -55°C to +155°C
- Dielectric Strength : 2500 Vac
- Insulation resistance : $> 10^8$ MOhm 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 °C/W
- Heatsink flatness : 0.05 mm Max
- Heatsink surface finish : 6.3µm 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)

