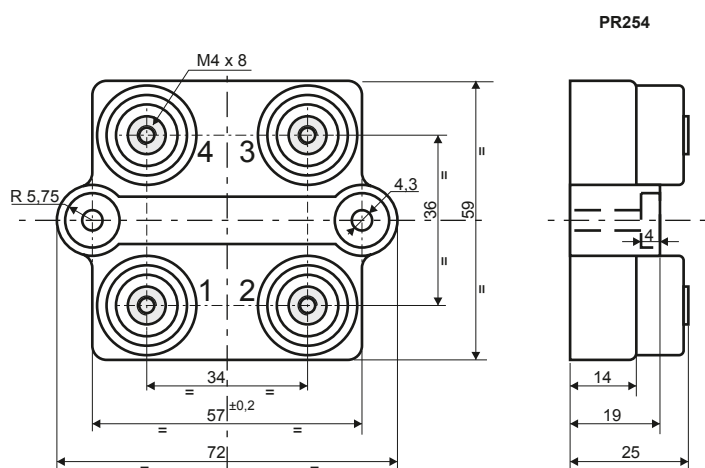


PR254 Thick film power resistors


 FEATURES

Very good ratio Power / Volume  
 Easy mounting and wiring with significant cost advantages.  
 Non inductive performance for high frequency applications.  
 One models for power applications up to 500W.  
 Suited to ULV94-V0 application.



"Connection and mounting screws are supplied with the resistor  
 All dimensions are in mm"

 ELECTRICAL SPECIFICATIONS

- Power rating: 250W (heatsink at 100°C)
- Resistance range: From 1R0 to 1M $\Omega$ , E12 series
- Tolerance: Standard 10%, up to 1% on request
- Temperature coefficient:  $\pm 100$  ppm/°C
- Max Work. Voltage: 5000 Vac
- Work Temp. Range: From -55°C to +155°C
- Dielectric Strength: 7000 Vac
- Insulation resistance: > 10<sup>5</sup> M $\Omega$  at 500V
- Creep distance: 42 mm
- Air gap distance: 16 mm
- Partial discharge: < 10 pC @ 5000 Vac
- Self inductance: 80 nH
- Parallel capacitance: 40 pF
- Capacitance to heatsink: < 120 pF
- Overload : 4 Pn x 10 s
- Thermal resistance: 0.15 °C/W
- Heatsink flatness: 0.05 mm Max
- Heatsink surface finish: 6.3  $\mu$ m Max
- Thermal grease: Required  $\lambda > 1$ W/mk
- Max torque for contacts: 2Nm (static)
- Max torque for mounting: 2Nm (static)
- Weight: 125 g

## PR254 - Power Derating

