**ELECTRICAL SPECIFICATIONS**

- Power rating: 250W (heatsink at 100°C)
- Resistance range: From 1R0 to 1MOhm, E12 series
- Tolerance: Standard 10%, up to 1% on request
- Temperature coefficient: ±100 ppm/°C
- Max Work. Voltage: 5000 Vac
- Work Temp. Range: Da -55°C a +155°C
- Dielectric Strength: 7000 Vac (12000 Vac x PR250T)
- Insulation resistance: > 10^5 MOhm at 500V
- Creep distance: 42 mm (65 mm x PR250T)
- Air gap distance: 16 mm (29mm x PR250T)
- 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 µm Max
- Thermal grease: Required
- Max torque for contacts: 2Nm (static)
- Max torque for mounting: 2Nm (static)
- Weight: 100 g (130 g x PR250T)

**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 supplied with the resistor**
**ELECTRICAL SPECIFICATIONS**

- **Power rating:** 250W (heatsink at 100°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:** 5000 Vac
- **Work Temp. Range:** From -55°C to +155°C
- **Dielectric Strength:** 7000 Vac (12000 Vac x PR254T)
- **Insulation resistance:** > 10^15 MOhm at 500V
- **Creep distance:** 42 mm (65 mm x PR254T)
- **Air gap distance:** 16 mm (29mm x PR254T)
- **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
- **Thermal resistance:** 0.15 °C/W
- **Heatsink flatness:** 6.3 μm Max
- **Thermal grease:** Required
- **Max torque for contacts:** 2Nm (static)
- **Max torque for mounting:** 2Nm (static)
- **Weight:** 125 g (155 g x PR254T)
- **Opzioni:** Cable terminals PR254C / PR254TC

**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.

---

**THICK FILM POWER RESISTORS PR254**

- **PR254**
  - **Pr254t**
- **PR Series**
  - **Features**
    - **Connection and mounting screws supplied with the resistor**
  - **Specifications**
    - **Heatsink Temperature (°C)**
      - **Power (W)**
        - **PR251**
        - **PR252 and PR253**
        - **PR254**