

PR800 Thick film power resistors

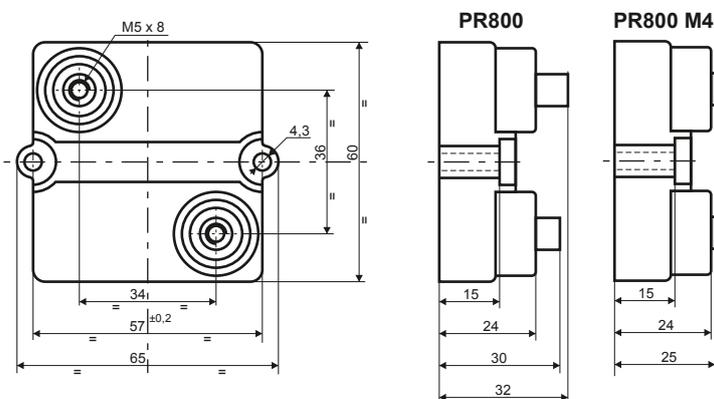
THICK FILM POWER RESISTOR PR800

FEATURES

Very good ratio Power / Volume
Easy mounting and wiring with significant cost advantages. Non inductive performance for high frequency applications. Materials are ULV94-V0 listed

ELECTRICAL SPECIFICATIONS

- Power rating: 800W @ 85°C Bottom case Temperature
For power greater than 800W please consult Technical Dept.
- Resistance Range: from 1R0 to 1M0-
- Resistance Values: E12 series
For out of range or not std. values, please contact ATE Electronics Technical Dept.
- Tolerance: Standard $\pm 10\%$.
- Temperature coefficient: $\pm 150\text{ppm}/^\circ\text{C}$
- Work Temperature Range: from -55°C to $+155^\circ\text{C}$
- Max Working Voltage: $5,2\text{kV}$, $V = \sqrt{P \times R}$
- Dielectric strength: $7\text{kVac} \times 60''$ (12kVac on request)
- Insulation resistance: $> 10^5 \text{M}\Omega$ at 500V
- Creep distance: 42mm
- Air Gap distance: 16mm
- Partial Discharge: $< 10\text{pC}$ @ 5kVac
- Self Inductance: 80nH (typical)
- Parallel Capacitance: 40pF (typical)
- Capacitance to heatsink: 150pF (typical)
- Overload: $1\text{kW} \times 10''$
- Thermal resistance: $0,11^\circ\text{C}/\text{W}$
- Heatsink flatness: $0,05\text{mm}$ max
- Heatsink surface finish: $6,3\mu\text{m}$ max
- Thermal grease: Required, $\lambda > 1\text{W}/\text{mK}$
- Max Torque for contacts: 2Nm (static)
- Max Torque for mounting: 2Nm (static)
- Weight: 100g



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

