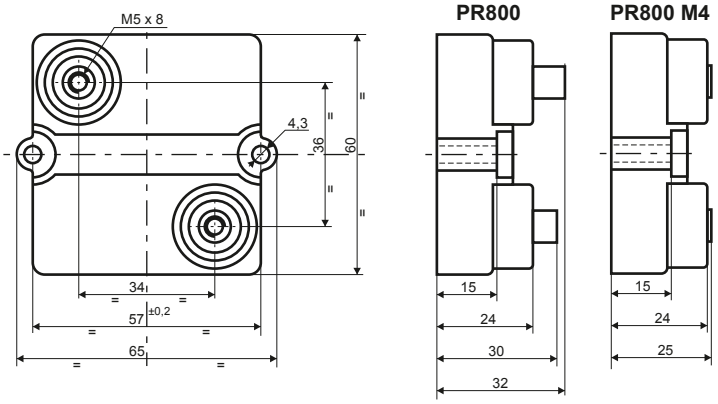
THICK FILM POWER RESISTOR PR800

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 ±10%.
-Temperature coefficient: ±150ppm/°C
-Work Temperature Range: from -55°C to +155°C
-Max Working Voltage: 5,2kV , V = √P × R
-Dielectric strength: 7kVac x 60" (12kVac on request)
-Insulation resistance: > 10^5 MΩ at 500V
-Creep distance: 42mm
-Air Gap distance: 16mm
-Partial Discharge: < 10pC @ 5kVac
-Self Inductance: 80nH (typical)
-Parallel Capacitance: 40pF (typical)
-Capacitance to heatsink: 150pF (typical)
-Overload: 1kW x 10"
-Thermal resistance: 0,11°C/W
-Heatsink flatness: 0,05mm max
-Heatsink surface finish: 6,3µm max
-Thermal grease: Required, λ> 1W/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"