

# PR600

## THICK FILM POWER RESISTOR



Muecap Bauelemente GmbH  
 Lochhamer Schlag 11 A, 82166 Gräfelfing  
 Tel. 089 / 89 80 81-0, Fax: 089 / 854 31 61  
[info@muecap.de](mailto:info@muecap.de), [www.muecap.de](http://www.muecap.de)

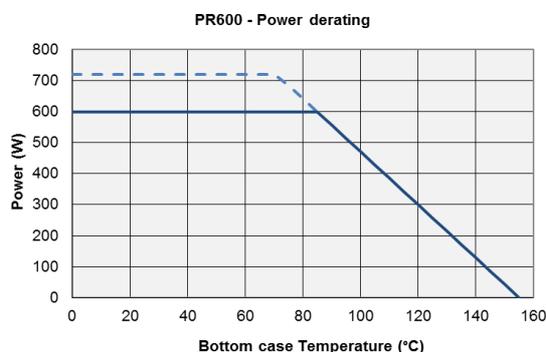
Very good ratio Power / Volume

Easy mounting and wiring with significant cost advantages. Non inductive performance for high frequency applications. One model for power applications up to 720W . Materials are ULV94-V0 listed

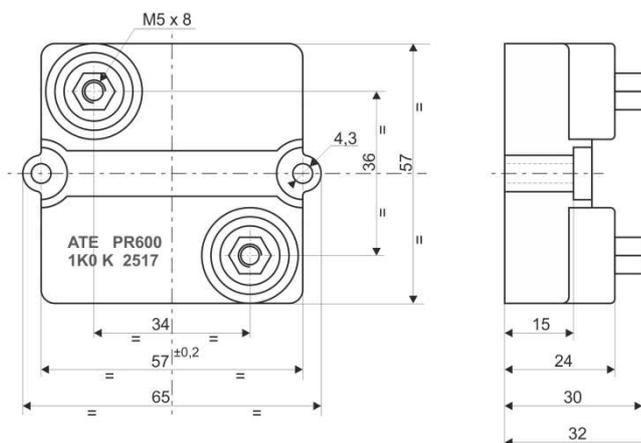


### SPECIFICATIONS

<b>Power rating:</b>	600W @ 85°C Bottom case Temperature For power greater than 600W please consult Technical Dept.
<b>Resistance Range:</b>	from 1R0 to 1M0
<b>Resistance Values:</b>	E12 series For out of range or not std. values, please contact ATE Electronics Technical Dept.
<b>Tolerance:</b>	Standard ±10%. Available on request up to ±1%
<b>Temperature coefficient:</b>	±150ppm/°C
<b>Work Temperature Range:</b>	from -55°C to +155°C
<b>Max Working Voltage:</b>	5kV, $V = \sqrt{P \times R}$
<b>Dielectric strength:</b>	7kVac x 60" (12kVac on request)
<b>Insulation resistance:</b>	> 10 <sup>5</sup> MOhm at 500V
<b>Creep distance:</b>	42mm
<b>Air Gap distance:</b>	16mm
<b>Partial Discharge:</b>	< 10pC @ 5kVac
<b>Self Inductance:</b>	80nH
<b>Parallel Capacitance:</b>	40pF
<b>Capacitance to heatsink:</b>	< 110pF
<b>Overload:</b>	1kW x 10"
<b>Thermal resistance:</b>	0,115°C/W
<b>Heatsink flatness:</b>	0,05mm max
<b>Heatsink surface finish:</b>	6,3µm max
<b>Thermal grease:</b>	Required, $\lambda > 1W/mK$
<b>Max Torque for contacts:</b>	2Nm (static)
<b>Max Torque for mounting:</b>	2Nm (static)
<b>Weight:</b>	95g



### DIMENSIONS (mm)



Connection and mounting screws are supplied with the resistor