



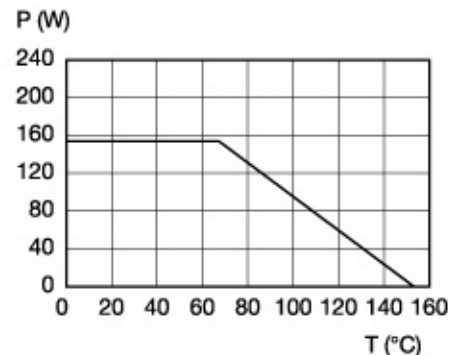
### FEATURES

Very good ratio Power/Volume.  
 Easy mounting and wiring with significant cost advantages.  
 Non inductive performance for high frequency applications.  
 One model for power from 20W to 200W.  
 Suited to UL94-V0 application.  
 SOT227 configuration.

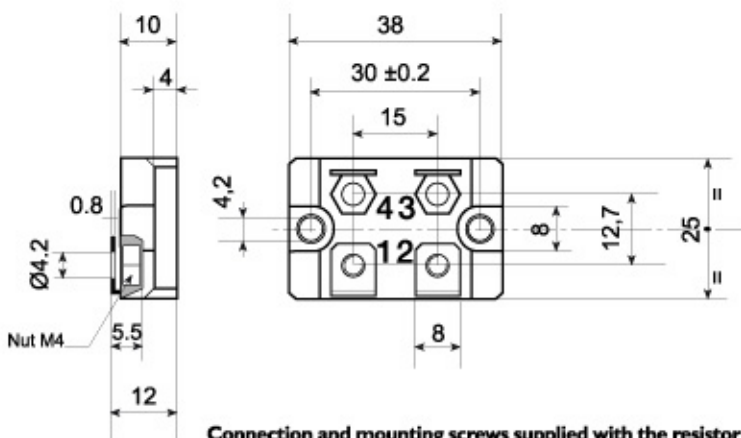
### SPECIFICATIONS

<b>Power rating:</b>	100 W (PR102 2x50W)
<b>Max power not trimmed:</b>	150 W (heatsink at 70 °C)
<b>Resistance range:</b>	From 1R0 to 100K serie E6
<b>Tolerance:</b>	Standard $\pm 10\%$ up to 1% on request
<b>Temperature coefficient:</b>	100 ppm/°C
<b>Max Work.Voltage:</b>	1.500 Vac
<b>WorkTemp. Range:</b>	-55 °C to +155 °C
<b>Dielectric Strength:</b>	2.500 Vac
<b>Insulation resistance:</b>	$> 10^5$ MOhm at 500V
<b>Partial discharge:</b>	$< 80$ pC/2.000 Vac (only on request)
<b>Self inductance:</b>	40 nH
<b>Capacitance/Mass:</b>	$< 45$ pF
<b>Overload:</b>	2 Pn x 10 sec.
<b>Thermal resistance:</b>	0.5 °C/W
<b>Heatsink flatness:</b>	0.05 mm Max
<b>Heatsink surface finish:</b>	6.3 $\mu$ m Max
<b>Thermal grease:</b>	Required
<b>Max torque for contact:</b>	1.2 Nm (static)
<b>Max torque for mounting:</b>	1.5 Nm (static)
<b>Weight:</b>	18 gr. (PR100/101) 24 gr. (PR102/103)

### PERMISSIBLE POWER VERSUS HEATSINK TEMPERATURE



### DIMENSIONS (mm)



### TERMINAL CONFIGURATION

