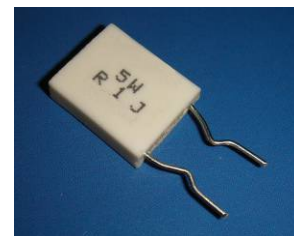
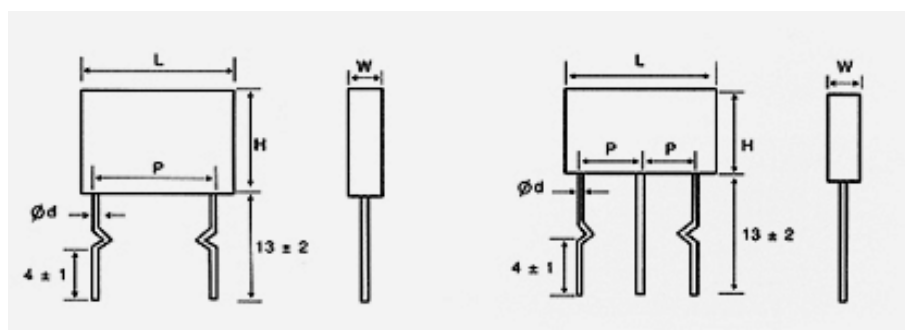


- Features:
- Small size with high power ratio
 - Low resistance values and low inductance
 - Crimped leads keep circuit board temperatures cooler
 - RoHS compliant / lead-free

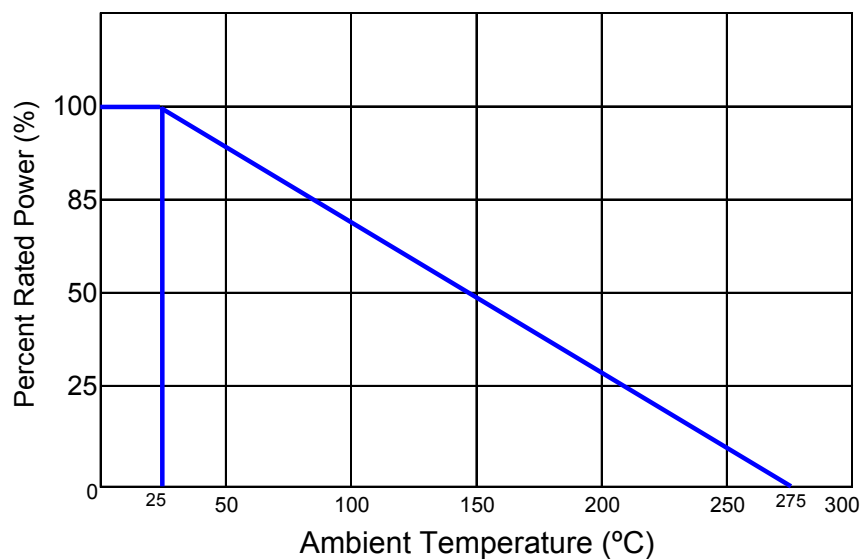


Electrical Specifications						
Type / Code	Power Rating (Watts) @ 70°C	Maximum Working Voltage	Maximum Overload Voltage	Resistance Temperature Coefficient	Ohmic Range (Ω) and Tolerance	
					5%	10%
MPR3	3W	350V	700V	±350 ppm/°C	0.01 - 0.47	0.01 - 0.47
MPR5	5W					
MPRT3	3W + 3W					
MPRT5	5W + 5W					
MPRT7	7W + 7W					

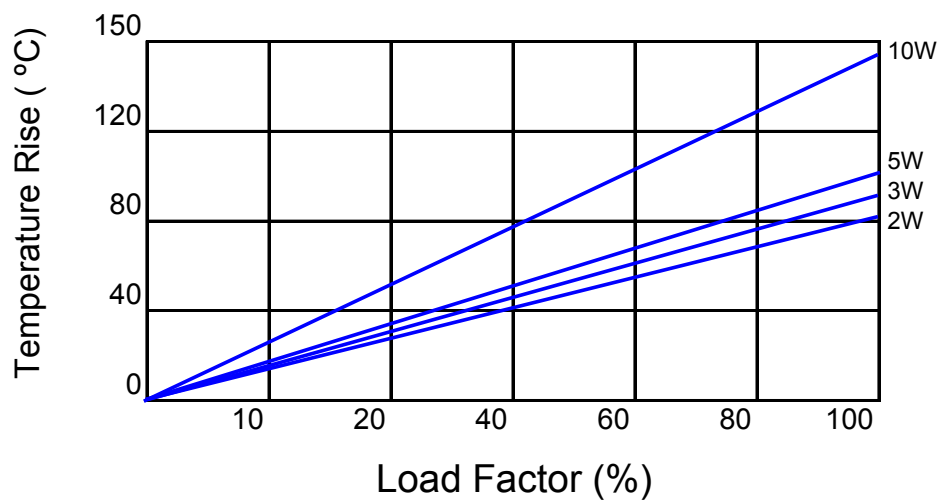


Mechanical Specifications						
Type / Code	L	W	H	d	P	Unit
MPR3	0.5512 ± 0.0591 14.0 ± 1.5	0.1969 ± 0.0394 5.0 ± 1.0	0.5118 ± 0.0394 13.0 ± 1.0	0.0315 ± 0.0039 0.8 ± 0.1	0.3937 ± 0.0394 10.0 ± 1.0	inches mm
MPR5	0.5512 ± 0.0591 14.0 ± 1.5	0.1969 ± 0.0394 5.0 ± 1.0	0.7087 ± 0.0394 18.0 ± 1.0	0.0315 ± 0.0039 0.8 ± 0.1	0.3937 ± 0.0394 10.0 ± 1.0	inches mm
MPRT3	1.0236 ± 0.0591 26.0 ± 1.5	0.1969 ± 0.0394 5.0 ± 1.0	0.5118 ± 0.0394 13.0 ± 1.0	0.0315 ± 0.0039 0.8 ± 0.1	0.3937 ± 0.0394 10.0 ± 1.0	inches mm
MPRT5	1.0236 ± 0.0591 26.0 ± 1.5	0.1969 ± 0.0394 5.0 ± 1.0	0.7087 ± 0.0394 18.0 ± 1.0	0.0315 ± 0.0039 0.8 ± 0.1	0.3937 ± 0.0394 10.0 ± 1.0	inches mm
MPRT7	1.0236 ± 0.0591 26.0 ± 1.5	0.1969 ± 0.0394 5.0 ± 1.0	0.7874 ± 0.0394 20.0 ± 1.0	0.0315 ± 0.0039 0.8 ± 0.1	0.3937 ± 0.0394 10.0 ± 1.0	inches mm

Power Derating Curve:

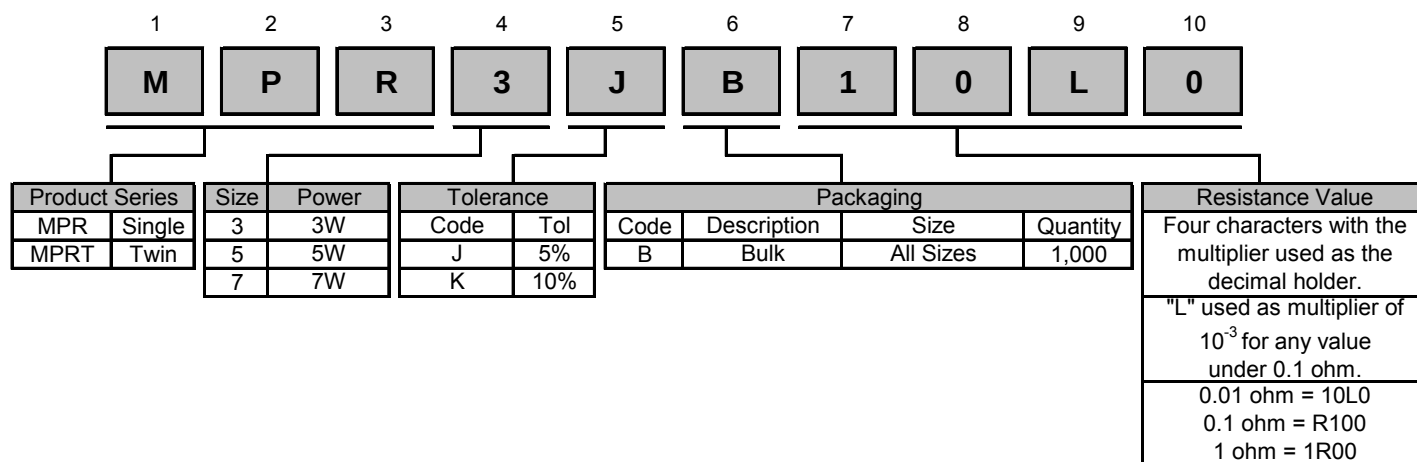


Load Factor:



Performance Characteristics		
Test	Test Limit	Test Method (JIS 5202)
Short Time Overload	$\Delta R \leq (2\% R_o + 0.05\Omega)$	2.5X, 5 sec.
Dielectric Withstanding Voltage	500V	5.7
Thermal Shock	$\Delta R \leq (2\% R_o + 0.05\Omega)$	JIS 5026 6.7
Temperature Coefficient	$\pm 350\text{PPM}/^\circ\text{C}$	5.2 B
Load Life	$\Delta R \leq (3\% R_o + 0.05\Omega)$	7.10
Load Life w/Humidity	$\Delta R \leq (3\% R_o + 0.05\Omega)$	7.9

How to Order



Legacy Part Number (before January 3, 2011):

SEI Type		Code		Resistance	Tolerance	Packaging				
MPR		3		0.01	5%	B				
Type	Description	Code	Wattage			Tolerance	Type	Qty	Description	Code
MPR	Single	3	3W			5%	All	1,000	Bulk	B
MPRT	Twin	5	5W			10%				
		7	7W							