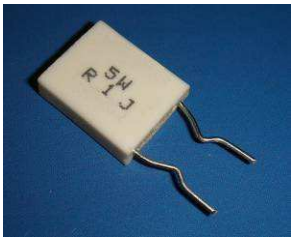
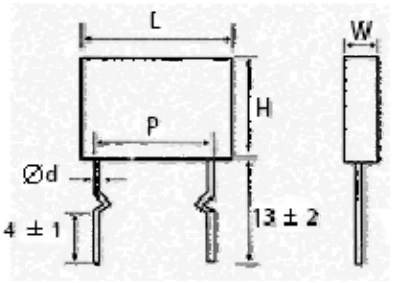
Features:

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

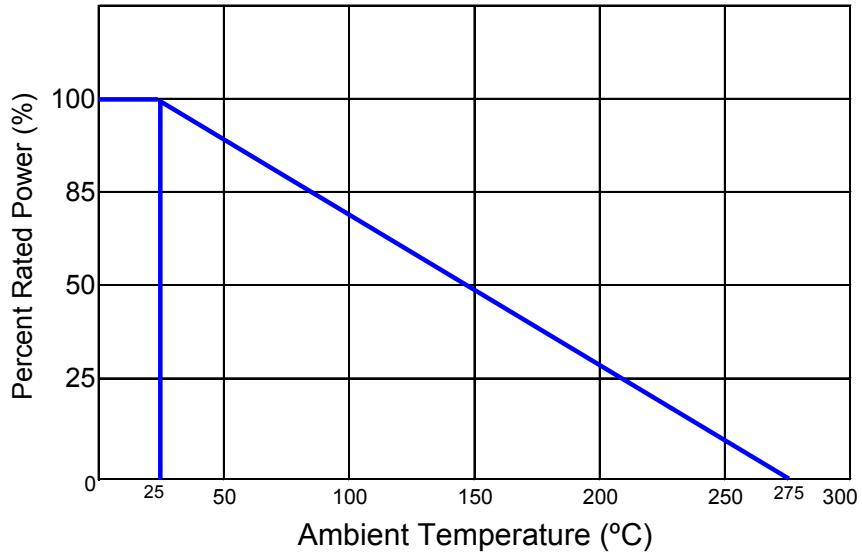


Electrical Specifications						
Type / Code	Power Rating (Watts) @ 70ºC	Maximum Working Voltage	Maximum Overload Voltage	Resistance Temperature Coefficient	Ohmic Range (Ω) and Tolerance	
					5%	10%
MPR3	3W	350V	700V	±350 ppm/ºC	0.01 - 0.47	0.01 - 0.47
MPR5	5W					

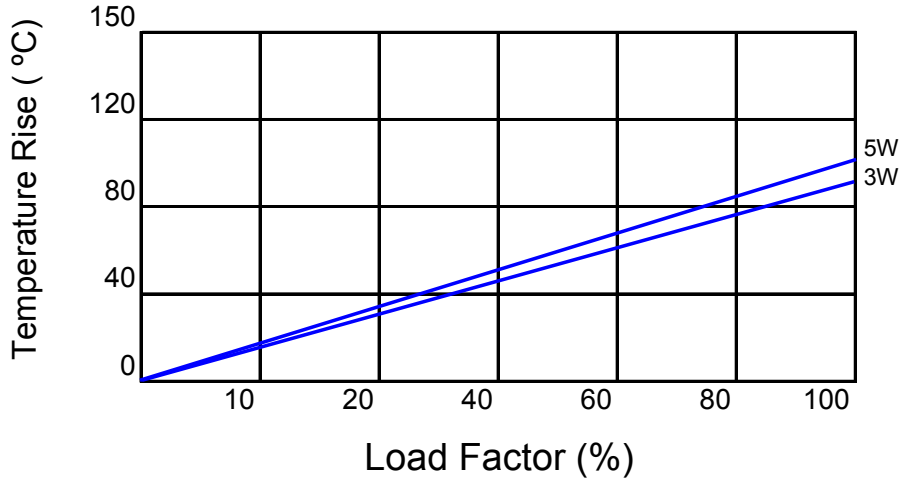


Mechanical Specifications						
Type / Code	L	W	H	d	P	Unit
MPR3	0.551 ± 0.059 14.00 ± 1.50	0.197 ± 0.039 5.00 ± 1.00	0.394 ± 0.039 10.00 ± 1.00	0.031 ± 0.004 0.80 ± 0.10	0.394 ± 0.039 10.00 ± 1.00	inches mm
MPR5	0.551 ± 0.059 14.00 ± 1.50	0.197 ± 0.039 5.00 ± 1.00	0.709 ± 0.039 18.00 ± 1.00	0.031 ± 0.004 0.80 ± 0.10	0.394 ± 0.039 10.00 ± 1.00	inches mm

Power Derating Curve:



Load Factor:



Performance Characteristics		
Test	Test Limit	Test Method (JIS C 5201-1)
Short Time Overload	ΔR≤ (2% Ro+0.05Ω)	2.5X, 5 sec.
Dielectric Withstanding Voltage	500V	5.7
Thermal Shock	ΔR≤ (2% Ro+0.05Ω)	4.19
Temperature Coefficient	±350PPM/°C	4.8
Load Life	ΔR≤ (3% Ro+0.05Ω)	4.25
Load Life w/Humidity	ΔR≤ (3% Ro+0.05Ω)	4.23

How to Order

1	2	3	4	5	6	7	8	9	10
M	**P**	**R**	**3**	**J**	**B**	**1**	**0**	**L**	**0**

Product Series	
MPR	Single

Size	Power
3	3W
5	5W

Tolerance	
Code	Tol
J	5%
K	10%

Packaging			
Code	Description	Size	Quantity
B	Bulk	All Sizes	1,000

Resistance Value
Four characters with the multiplier used as the decimal holder.
"L" used as multiplier of 10^{-3} for any value under 0.1 ohm.
0.01 ohm = 10L0 0.1 ohm = R100 1 ohm = 1R00

Legacy Part Number (before January 3, 2011):

SEI Type	Code	Resistance	Tolerance	Packaging
MPR	**3**	**0.01**	**5%**	**B**

Type	Description
MPR	Single

Code	Wattage
3	3W
5	5W

Tolerance
5%
10%

Type	Qty	Description	Code
All	1,000	Bulk	B