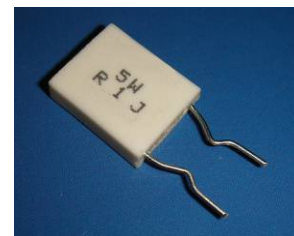
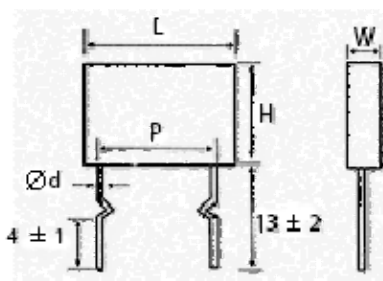


- Features:
- Small size with high power ratio
 - Low resistance values and low inductance
 - Crimped leads keep circuit board temperatures cooler
 - RoHS compliant / lead-free

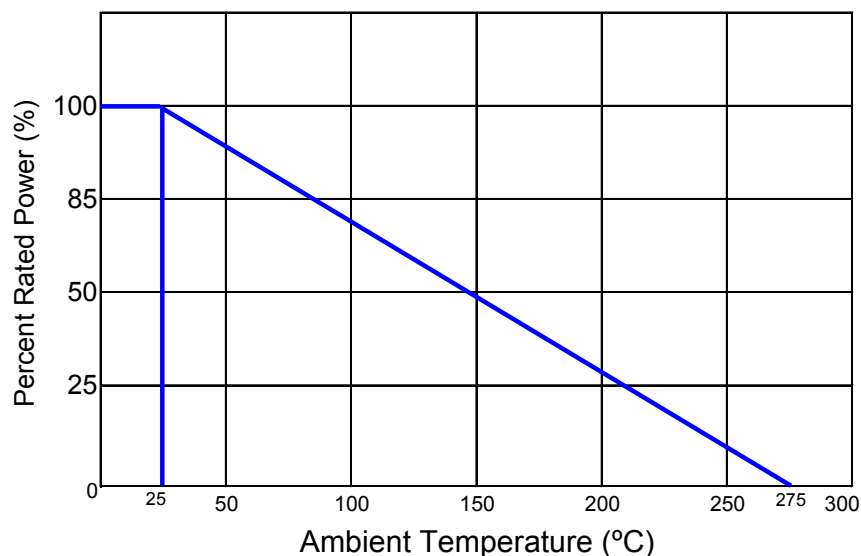


Electrical Specifications						
Type / Code	Power Rating (Watts) @ 70°C	Maximum Working Voltage	Maximum Overload Voltage	Resistance Temperature Coefficient	Ohmic Range (Ω) and Tolerance	
					5%	10%
MPR3	3W	350V	700V	± 350 ppm/°C	0.01 - 0.47	0.01 - 0.47
MPR5	5W					

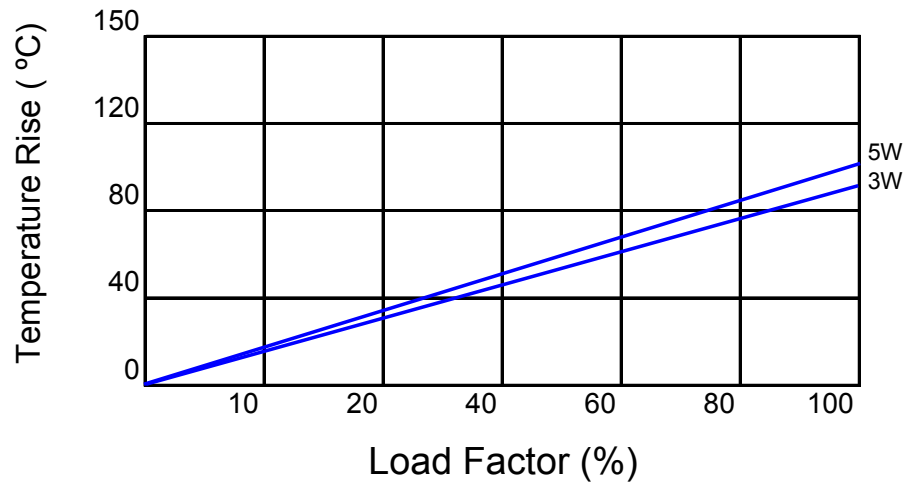


Mechanical Specifications						
Type / Code	L	W	H	d	P	Unit
MPR3	0.551 \pm 0.059	0.197 \pm 0.039	0.394 \pm 0.039	0.031 \pm 0.004	0.394 \pm 0.039	inches
	14.00 \pm 1.50	5.00 \pm 1.00	10.00 \pm 1.00	0.80 \pm 0.10	10.00 \pm 1.00	mm
MPR5	0.551 \pm 0.059	0.197 \pm 0.039	0.709 \pm 0.039	0.031 \pm 0.004	0.394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

Power Derating Curve:



Load Factor:



Performance Characteristics		
Test	Test Limit	Test Method (JIS C 5201-1)
Short Time Overload	$\Delta R \leq (2\% R_o + 0.05\Omega)$	2.5X, 5 sec.
Dielectric Withstanding Voltage	500V	5.7
Thermal Shock	$\Delta R \leq (2\% R_o + 0.05\Omega)$	4.19
Temperature Coefficient	$\pm 350 \text{PPM}/^\circ\text{C}$	4.8
Load Life	$\Delta R \leq (3\% R_o + 0.05\Omega)$	4.25
Load Life w/Humidity	$\Delta R \leq (3\% R_o + 0.05\Omega)$	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		Size	Power	Tolerance		Packaging		Resistance Value	
MPR	Single	3	3W	Code	Tol	Code	Description	Size	Quantity
		5	5W	J	5%	B	Bulk	All Sizes	1,000
				K	10%				
									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	Code	Wattage			Tolerance	Type	Qty	Description
MPR	Single	3	3W			5%	All	1,000	Bulk
		5	5W			10%			
							Code		
							B		