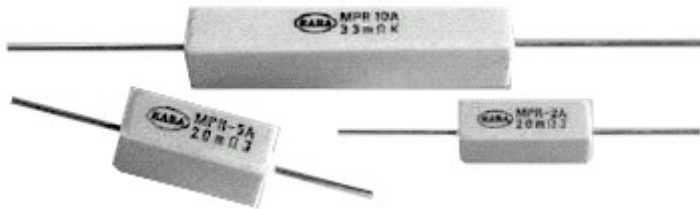


MPR METAL PLATE SHUNT RESISTORS AXIAL AND RADIAL TYPES

AXIAL TYPE



AXIAL TYPE GENERAL SPECIFICATIONS

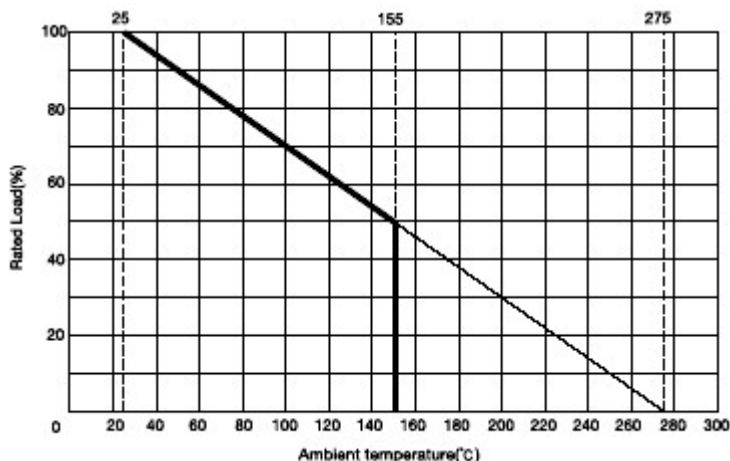
Model	Power Rating [W]	Resistance Range [ohms]	Maximum Current [A]
MPR1A	1	0.005 to 0.03	5
MPR2A	2	0.005 to 0.05	10
MPR3A	3	0.005 to 0.10	10
MPR5A	5	0.005 to 0.10	10
MPR7A	7	0.01 to 0.120	20
MPR10A	10	0.01 to 0.300	20
MPR15A	15	0.01 to 0.300	20
MPR20A	20	0.01 to 0.400	20

AXIAL TYPE CHARACTERISTICS

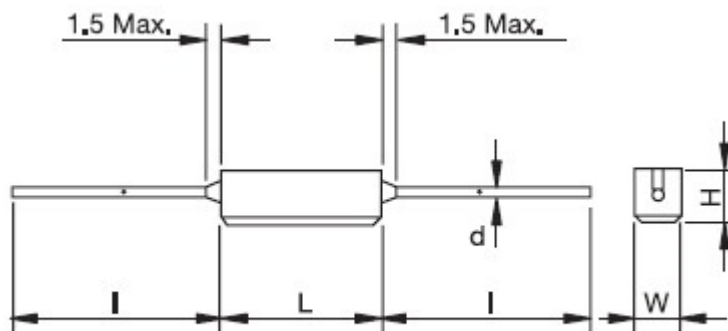
Values in [] mean change in ohmic value after test

Temperature Range	-25C to 155C
Insulation Resistance	DC 500V, min. 20m Ω
Dielectric Strength	AC 1500V; max. leakage current : 2mA
Short Time Overload	± [2%+0.05 Ω] 1W-3W: 5 X power rating - 5sec, 5W-20W: 10 X Power rating - 5sec.
Load Life	± [5% +0.05 Ω] Power rating 1.5h. ON, 30min. OFF, 500 hrs.
Thermal Shock	± [2%+0.05 Ω] Power rating 30min., -40C, 15min.
Temp. coefficient	± 200 ppm/ C max.
Terminal strength	4.5kg

AXIAL TYPE DERATING CURVE



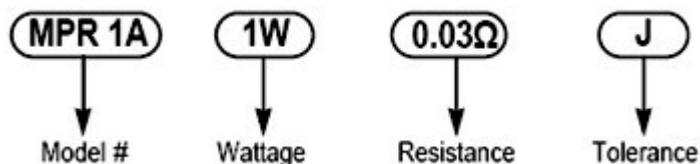
AXIAL TYPE DIMENSIONS



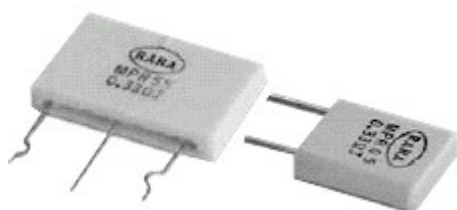
• Measuring Point : 10 ± 0.5 mm from Resistor Body

Model	Dimensions [mm]				
	$L \pm 1$	$W \pm 1$	$H \pm 1$	$l \pm \text{Min}$	$d \pm 0.02$
MPR1A	13.0	6.5	7.0	35	0.8
MPR2A	18.0	6.5	7.0		
MPR3A	22.5	8.0	8.5		
MPR5A	21.5	9.5	9.5		
MPR7A	34.5	9.5	9.5		
MPR10A	48.5	9.5	9.5		
MPR15A	48.5	12.5	12.5		
MPR20A	62.5	12.5	12.5	1.0	

AXIAL TYPE ORDERING PROCEDURE EXAMPLE



RADIAL TYPE



RADIAL TYPE GENERAL SPECIFICATIONS

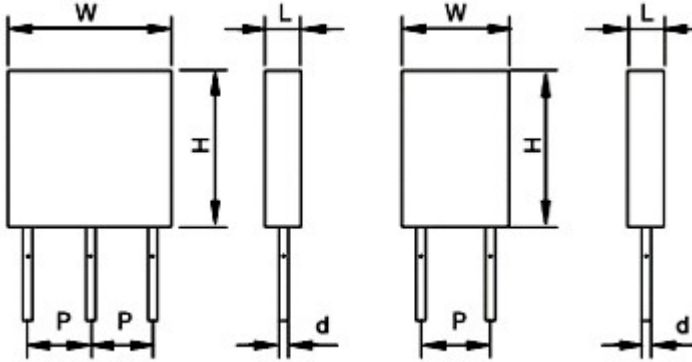
Model	Power Rating [W]	Resistance Range [ohms]	Maximum Current [A]
MPR3R	3	0.1, 0.12, 0.15, 0.18 0.2, 0.22, 0.33, 0.47	5.5
MPR5RS	5		7
MPR5RL	5		7
MPR33RS	3+3	0.1, 0.15, 0.22, 0.27, 0.33, 0.39	7+7
MPR33RL	3+3		7+7
MPR55RS	5+5		7.5+7.5
MPR55RL	7+7		7.5+7.5

RADIAL TYPE CHARACTERISTICS

Values in [] mean change in ohmic value after test

Temperature Range	-25C to 155C
Insulation Resistance	DC 500V, min. 20m Ω
Dielectric Strength	AC 1500V; max. leakage current : 2mA
Short Time Overload	± [2%+0.05 Ω] 3W: 5 X power rating - 5sec; 5W-20W: 10 X Power rating - 5sec.
Load Life	± [5% +0.05 Ω] Power rating 1.5h. ON, 30min. OFF, 500 hrs.
Thermal Shock	± [2%+0.05 Ω] Power rating 30min., -40C, 15min.
Temp. coefficient	± 200 ppm/ C max.
Terminal strength	1kg

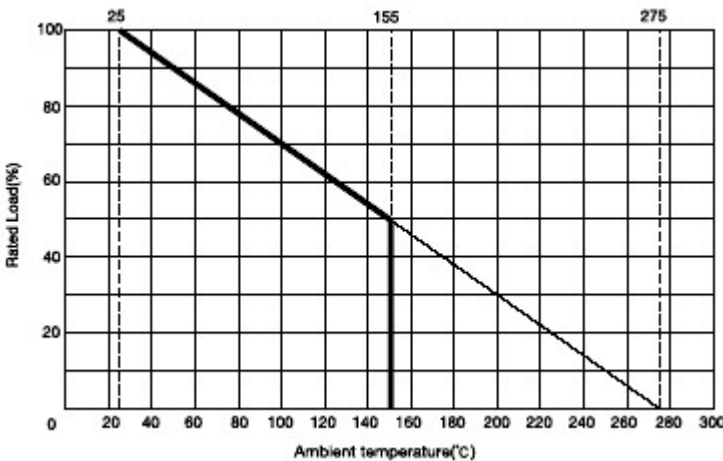
RADIAL TYPE DIMENSIONS



• Measuring Point : 4±0.5mm from Resistor Body

Model	Dimensions [mm]				
	L+0.5	W+1	H+1	P+0.5	d+0.02
MPR3R	5	14	13.5	10	0.8
MPR5RS			18		
MPR5RL		26	13.5	8	
MPR33RS	10				
MPR33RL				8	
MPR55RS	5		18		
MPR55RL	8				

RADIAL TYPE DERATING CURVE



RADIAL TYPE ORDERING PROCEDURE EXAMPLE

