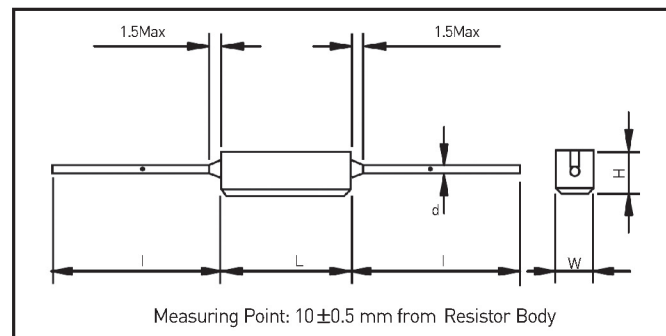
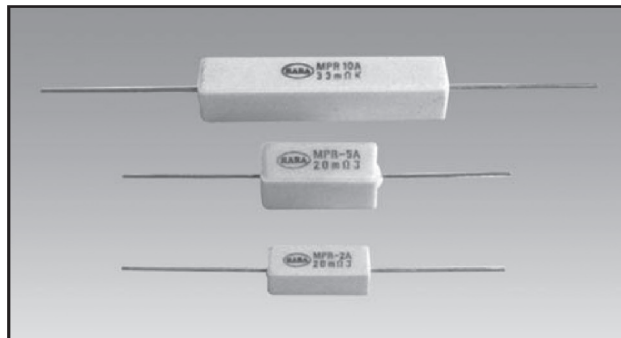


Metal Plate Shunt Resistors(Axial Type)



■ GENERAL SPECIFICATIONS & DIMENSIONS [mm]

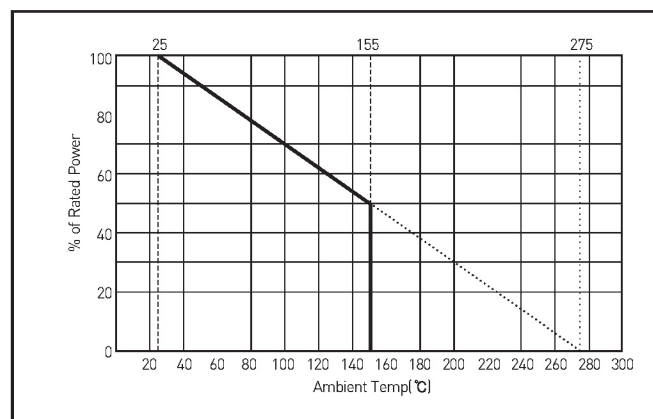
Model	Power Rating	Resistance Range	Maximum Current	Dimensions[mm]				
				L±1	W±1	H±1	L±Min	d±0.02
MPR 1A	1W	0.005 ~ 0.03Ω	5A	13.0	6.5	7.0	35	0.8
MPR 2A	2W	0.005 ~ 0.05Ω	10A	18.0	6.5	7.0	35	0.8
MPR 3A	3W	0.005 ~ 0.10Ω	10A	22.5	8.0	8.5	35	0.8
MPR 5A	5W	0.005 ~ 0.10Ω	10A	21.5	9.5	9.5	35	0.8
MPR 7A	7W	0.01 ~ 0.120Ω	20A	34.5	9.5	9.5	35	0.8
MPR 10A	10W	0.01 ~ 0.300Ω	20A	48.5	9.5	9.5	35	1.0
MPR 15A	15W	0.01 ~ 0.300Ω	20A	48.5	12.5	12.5	35	1.0
MPR 20A	20W	0.01 ~ 0.400Ω	20A	62.5	12.5	12.5	35	1.0

■ CHARACTERISTICS

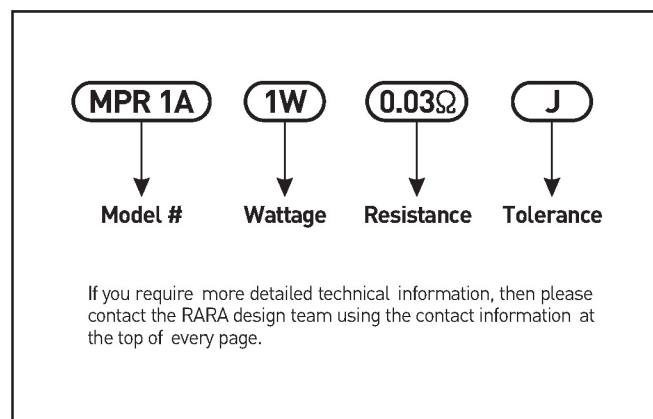
Values in [] mean change in Ω after test

Temperature Range	-25℃ ~ 155℃	
Insulation Resistance	DC 500V, minimum 20MΩ	
Dielectric Withstanding Strength	AC 1500V; maximum leakage current: 2mA	
Short Time Overload	±[2%+0.05Ω]	1W-3W: 5 x power rating-5 sec., 5W-20W: 10×Power rating-5 sec.
Load Life	±[5%+0.05Ω]	Power rating 1.5 hours on, 30minutes off, 500 hours
Thermal Shock	±[2%+0.05Ω]	Power rating 30minutes, -40℃, 15minutes
Temperature Coefficient	±260 ppm/℃ maximum	
Terminal Strength	4.5kgf	
Solderability	75% coverage min.	230℃, 3 sec.

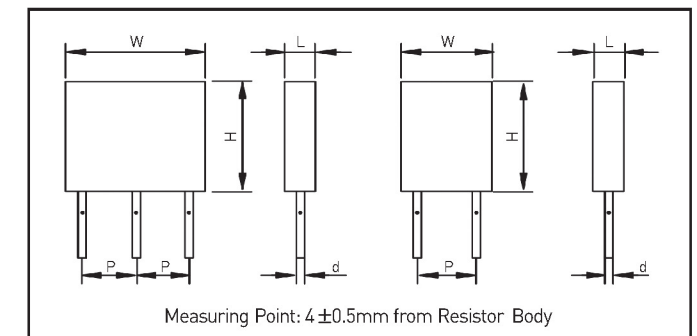
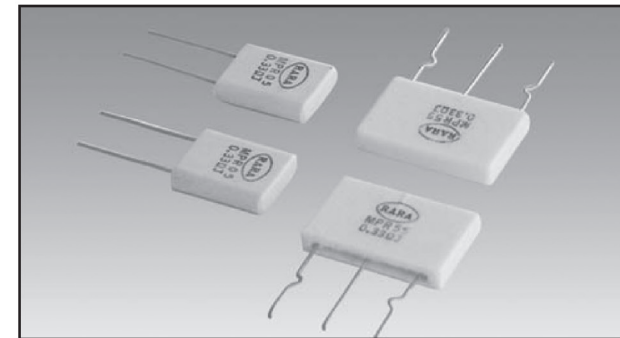
■ DERATING CURVE



■ ORDERING PROCEDURE EXAMPLE



Metal Plate Shunt Resistors(Radial Type)



■ GENERAL SPECIFICATIONS & DIMENSIONS [mm]

Model	Power Rating	Standard Resistance Range	Maximum Current	Dimensions[mm]				
				L±0.5	W±1	H±1	P±0.5	d±0.02
MPR 3R	3W	0.1Ω, 0.12Ω, 0.15Ω,	5.5A	5	14	13.5	10	0.8
MPR 5RS	5W	0.18Ω, 0.2Ω, 0.22Ω	7A	5	14	18	10	0.8
MPR 5RL	5W	0.33Ω, 0.47Ω	7A	5	26	13.5	20	0.8
MPR 33RS	3W+3W	0.1Ω, 0.15Ω, 0.22Ω,	7A+7A	5	26	13.5	10	0.8
MPR 33RL	3W+3W	0.27Ω, 0.33Ω,	7A+7A	8	26	13.5	10	0.8
MPR 55RS	5W+5W	0.39Ω	7.5A+7.5A	5	26	18	10	0.8
MPR 55RL	7W+7W		7.5A+7.5A	8	26	18	10	0.8

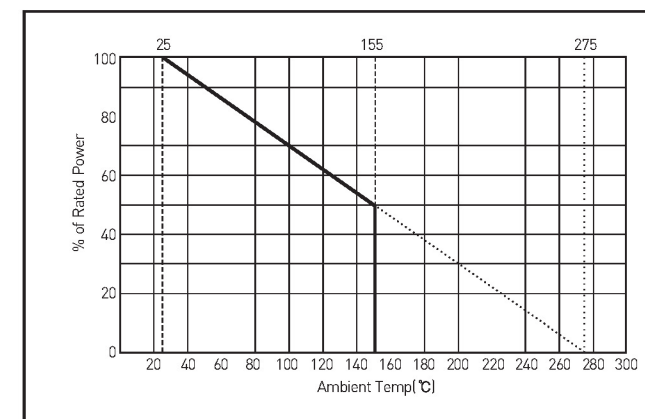
*0.01Ω~0.08Ω resistance value are available

■ CHARACTERISTICS

Values in [] mean change in Ω after test

Temperature Range	-25℃~155℃	
Insulation Resistance	DC 500V, minimum 20MΩ	
Dielectric Withstanding Strength	AC 1500V; maximum leakage current: 2mA	
Short Time Overload	±[2%+0.05Ω]	3W: 5 × Power rating-5 sec., 5W-20W: 10×Power rating-5 sec.
Load Life	±[5%+0.05Ω]	Power rating 1.5hours on, 30minutes off, 500 hours
Thermal Shock	±[2%+0.05Ω]	Power rating 30minutes, -40℃, 15minutes
Temperature Coefficient	±260 ppm/℃ maximum	
Terminal Strength	1kgf	
Solderability	75% coverage min.	230℃, 3 sec.

■ DERATING CURVE



■ ORDERING PROCEDURE EXAMPLE

