

MPR series

Metal Plate Shunt Resistors



- Power Type Current Detecting Resistors
- Flame Retardant Resistors In Ceramic Case
- Low Inductance
- Space Saving
- Excellent Stability To Heat and Moisture.

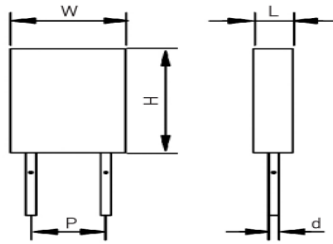
■ SPECIFICATIONS

ITEM	SPECIFICATION	
Temperature Range		-55℃ ~ +155℃
Insulation Resistance		DC 500V, 20MΩ minimum
Dielectric Withstanding Strength		AC 1000V for 1 minute : Maximum leakage current : 2mA
Short Time Overload	±[2%+0.05Ω]	5W : 10x Power rating 5seconds
Load Life	±[5%+0.05 Ω	Power rating 1.5 hours on, 30minutes off, 500 hours
Thermal Shock	±[2%+0.05 Ω	Power rating 30minutes, -40℃, 15minutes
Temperature Coefficient		±350 ppm/℃ maximum
Terminal Strength		1kgf
Solderability	75% coverage minimum	230℃, 3 seconds

■ RATINGS

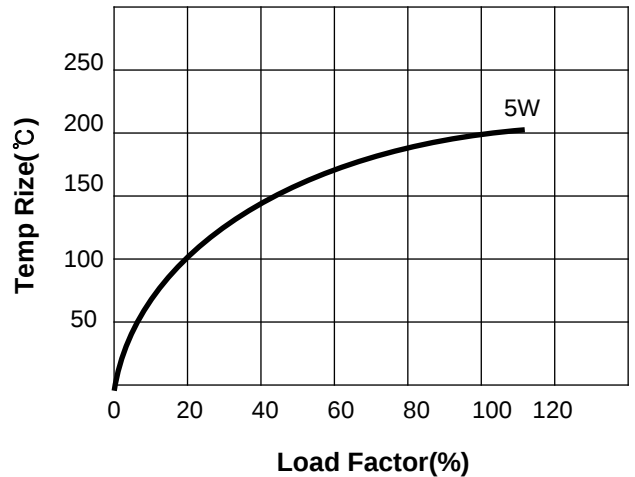
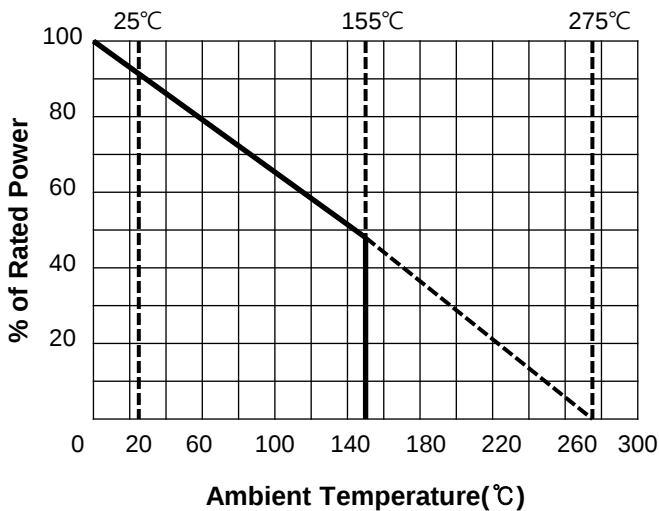
TYPE	Power Rating	TCR (ppm/℃)Max	Resistance Range	Rated Ambient Temperature	Operating Temperature Range
MPR 2R	2W	±350	0.005Ω ~ 0.5Ω	+70℃	-55℃ ~ +155℃
MPR 5R	5W	±350	0.005Ω ~ 0.5Ω	+70℃	-55℃ ~ +155℃
MPR 10R	10W	±350	0.005Ω ~ 0.5Ω	+70℃	-55℃ ~ +155℃

■ DIMENSIONS



TYPE	Power Rating	L±0.5	W±1	H±1	P±0.5	d±0.02
MPR 2R	2W	5	14	18	10	0.8
MPR 5R	5W	5	14	18	10	0.8
MPR 10RS	10W	8.5	14	18	10	0.8

■ SURFACE TEMPERATURE INCREASE VERSUS POWER LOAD & DERATING CURVES



■ HOW TO ORDER

MPR	5W	0.22Ω	J	STYLE
TYPE	POWER RATING	NOMINAL RESISTANCE	RESISTANCE TOLERANCE	R: Radial Type

www.resistors.co.kr

Tel +82-31-764-8216