MPR series

Metal Plate Resistor

Metal Plate Resistors are plated with Fe, Cr alloy or Cu, Ni alloy plate and adhere terminal then is facing in ceramic case with molding.
Application power type current sensing resistor.

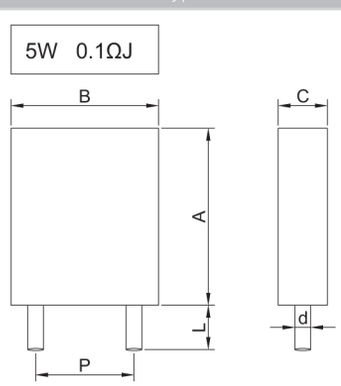
Feature

- Power type current sensing resistor
- Flame proof resistor in ceramic case
- Excellent stable to heat and moisture
- Low inductance and space saving
- Low T.C.R and possible to make low value resistor
- Case Color : White
- Making : Marking on the case
- Available Type : BP, LP, ZP

Description

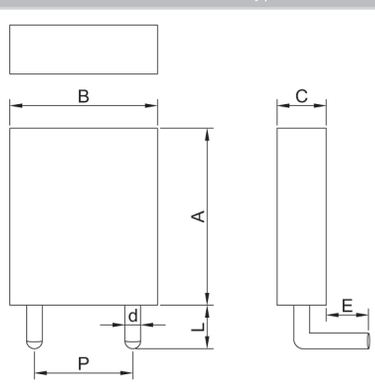
MPR	5W	BP	0R1	J
Product Code	Power Rating	Shape	Nominal Resistance	Resistance Tolerance

Bulk Type



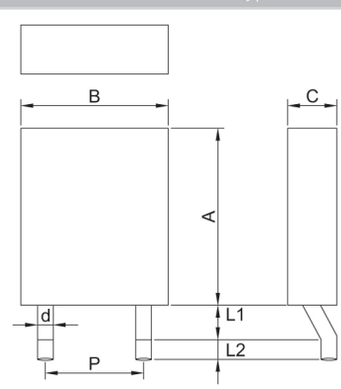
BP

L Character Bulk Type



LP

Z Character Bulk Type



ZP

Dimension

Type	Dimension (mm)								
	A	B	C	P	L	L1	L2	E	d
BP	18.0±1.0	15.0±1.0	5.0±1.0	10.0±1.0	3.2±0.3 4.0±0.5 4.5±0.5	-	-	-	0.80±0.05
LP	18.0±1.0	15.0±1.0	5.0±1.0	10.0±1.0	3.0±0.5	-	-	3.7±0.5	0.80±0.05
ZP	18.0±1.0	15.0±1.0	5.0±1.0	10.0±1.0	-	3.5±0.5	2.0±0.5		0.80±0.05

※Specifications given herein are changeable under to discuss with user and maybe changed at anytime without prior notice.

Rating

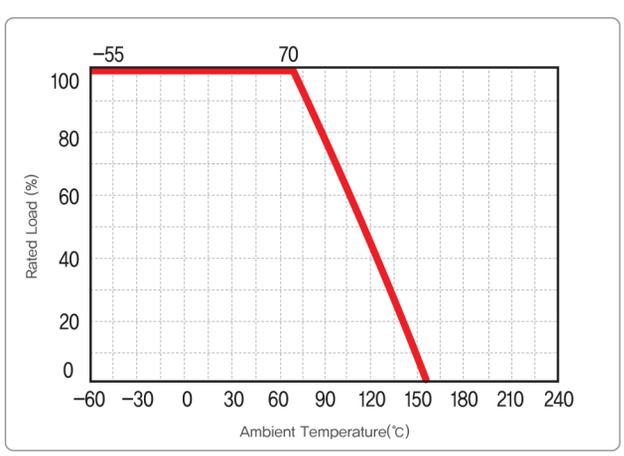
Type	Power Rating(W)	Max Working-Voltage(V)	Max Overload Voltage(V)	Dielectric Withstanding Voltage(V)	Operating Temp.(℃)	Resistance Range(Ω)	Resistance Tolerance (%)
MPR 5W	5W	350	700	500	-55 ~ +155	0.005 ~ 1R0	F (±1%) G (±2%) J (±5%) K (±10%) L (±15%)

※ Glossary of Terms : CC (Carbon Composition)-Carbon film application MG (Metal Glaze)-Metal Glaze Film application

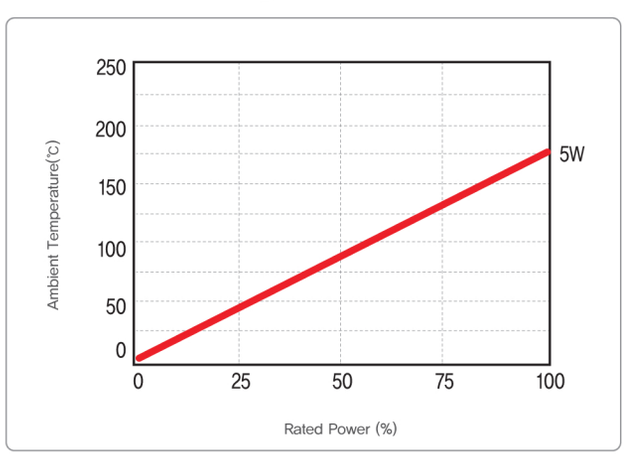
Performance

Test Items	Performance Requirementsents	Test Methods
Resistance	With specified tolerance	Measure resistance at 25℃
Temperature Coefficient Resistance	Over 0.1Ω: Within±400PPM/℃ Under 0.1Ω: Within±600PPM/℃	+25℃ / +125℃
Short Time Over Load	±2%	Rated voltage x 2.5 for 5sec Max overload voltage
Resistance Against Soldering Test	±1%	260 ±3℃, 2~2.5mm, 5±1sec measure resistance After 1hr at room temp
Load Life in Temperature	±5%	40±2℃, 90~95% RH, 1.5hr ON/0.5hr OFF, 120hr
Load Life in Moisture	±5%	70±2℃, 1.5hr ON/0.5hr OFF, 120hr

Derating Curve



Surface Temperature Rise



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