

# MPR Non-Inductive Cement Resistors

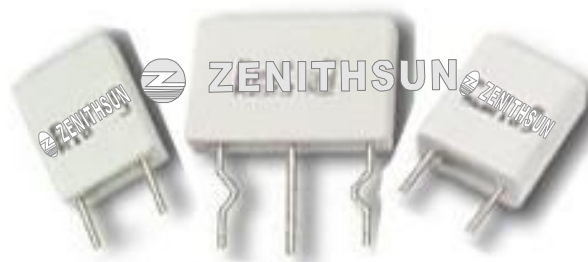
TYPE A : MPR-S Series(one resistor has single resistance value)

TYPE B: MPR-T Series(one resistor has two resistabce value)

Power Rating: 2W-10W

Resistance Value: 0.01Ω-4.7Ω

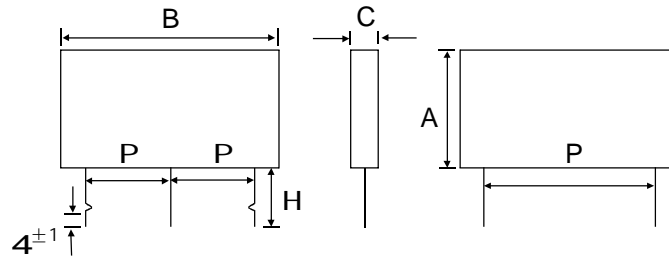
Resistance Tolerance: ±0.5%, ±1%, ±5%, ±10%



## ● Features:

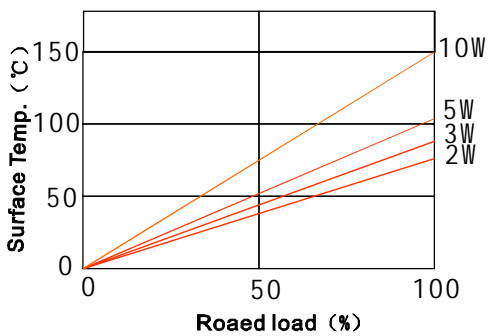
1. Metal Plate Non-inductive Ceramic Resistors, is also called MPR (In America), BPR (In Japan), SLR(In Europe).
2. Good heat-durability, low temperature coefficient, low noise, high overload power.
3. Operating ambient temperature: -55°C to +275°C
4. Low inductance.
5. Power: 2W, 3W, 5W, 7W, 10W, 2W+2W, 3W+3W, 5W+5W, 7W+7W
6. Widely used in the TV, Monitor, PC beside equipment, Auto Control System, High Class Audio Circuit
7. Delivery: 5-7 days
8. Conforms to the ROHS standard and the LEAD-FREE non-lead standard.
9. For non-standard technical requirements and custom special applications, please contact us to discuss the details.

## ● Dimensions

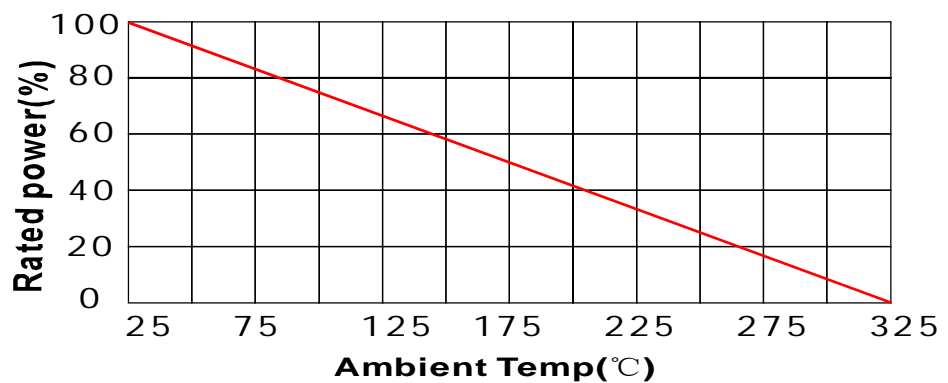


POWER RATING	SR-MPR DIMENSIONS (mm)					RESISTANCE (Ω)
	A±1	B±1	C±0.5	H±1	P±1	
2W	8.5	13	5	13	10	0.01-0.68
3W	13	14	5	13	10	0.01-0.68
5W	18	14	5	13	10	0.01-1.0
10W	18	26	5	13	20	0.005-1.0
	26	26	8	13	20	0.005-10
2W+2W	8.5	26	5	13	10	0.03-0.56
3W+3W	13	26	5	13	10	
5W+5W	18	26	5	13	10	
7W+7W	20	26	5	13	10	

## ● Temperature curve



## ● Derating



## ● Performance Specifications

Test item	Test condition	Specifications
Resistance tolerance	JIS-C-5202 5-1	Resistance Nominal Tolerance $1 \leq R < 10 \pm 5\%(J) \pm 10\%(K)$
Temperature coefficient	-55℃ - 155℃	$\pm 350 \text{PPM}/^\circ\text{C}$ Max
Short-term overload	1000% rated power 5s	$\Delta R \leq \pm(2\% + 0.1\Omega)$
Rated load	Rated wattage for 30 min	$\Delta R \leq \pm(1\% + 0.1\Omega)$
Insulation resistance	DC 500V 60s	1000M $\Omega$ Min
Dielectric withstanding voltage	AC 1000V 60s	No change
Temp.Cycle	-30℃ ~ 85℃ for 5 cycles	$\Delta R \leq \pm(1\% + 0.1\Omega)$
Load life	70℃ on-off cycle 1000H	$\Delta R \leq \pm(5\%R_0 + 0.1\Omega)$
Moisture-proof Load life	40℃, 90% - 95% power rating 1.5H ON, 0.5OFF cycle 1000H	$\Delta R \leq \pm(5\%R_0 + 0.1\Omega)$
Nonflammability	500%, 1000%, 1600% power rating 5min	No visible flame

## ● How To Order

MPR	2W	220m $\Omega$	J
①	②	③	④

- ① Type:MPR
- ② Rated Power(W):2W-10W
- ③ Resistance Value( $\Omega$ ):0.01 $\Omega$ -4.7 $\Omega$
- ④ Tolerance(%): $\pm 1\% \sim \pm 10\%$