

SINLOON®

金屬片扁型電阻器

MQ-MPR Series
Metal Plate Non-Inductive Cement Resistor

FEATURE

- ◆ Compact type with safety design of non-flammability and insulation
- ◆ Low resistance (0.01R ~ 1R) and resilient to current
- ◆ Low inductance

Figure:



ORDERING

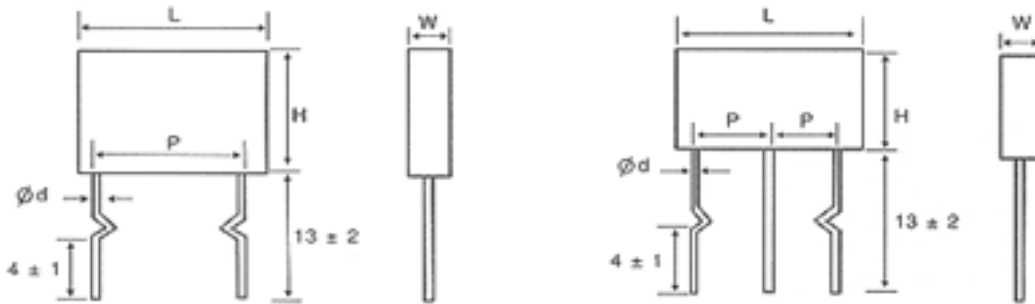
Example: MQ-MPR50BKCR01

Product	Part No.	Power	Package	Forming	Tolerance	Resistance	Figure
MQ-MPR	30	3W	T = T/Box B = Bulk R = Reel	F-Type	F = ±1%	R01=10m	MPR
MQ-MPR	50	5W		K-Type	J = ±5%	R10=100m	
MQ-MPR	33	3W+3W		K = ±10%	1R0=1000m		
MQ-MPR	55	5W+5W					
MQ-MPR	77	7W+7W					

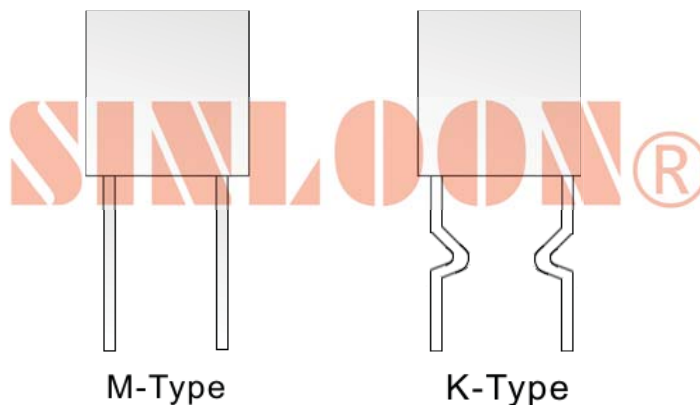
EXTERNAL DIMENSIONS

Type	Power	Dimensions (mm)				
		L	H	W	d	P
MQ-MPR30	3W	14±1.5	10±1.5	5.0±1.0	0.8±0.1	10±1.0
MQ-MPR50	5W	14±1.5	18±1.5	5.0±1.0	0.8±0.1	10±1.0
MQ-MPR33	3W+3W	26±1.5	13±1.5	5.0±1.0	0.8±0.1	10±1.0
MQ-MPR55	5W+5W	26±1.5	18±1.5	5.0±1.0	0.8±0.1	10±1.0
MQ-MPR77	7W+7W	26±1.5	12±1.5	5.0±1.0	0.8±0.1	10±1.0

* The type designation shall be in the following form and as specified.



Forming Type:



M-Type

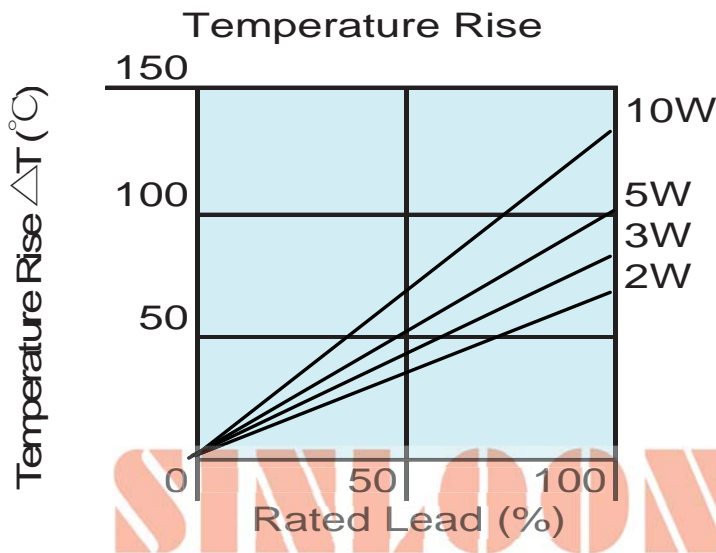
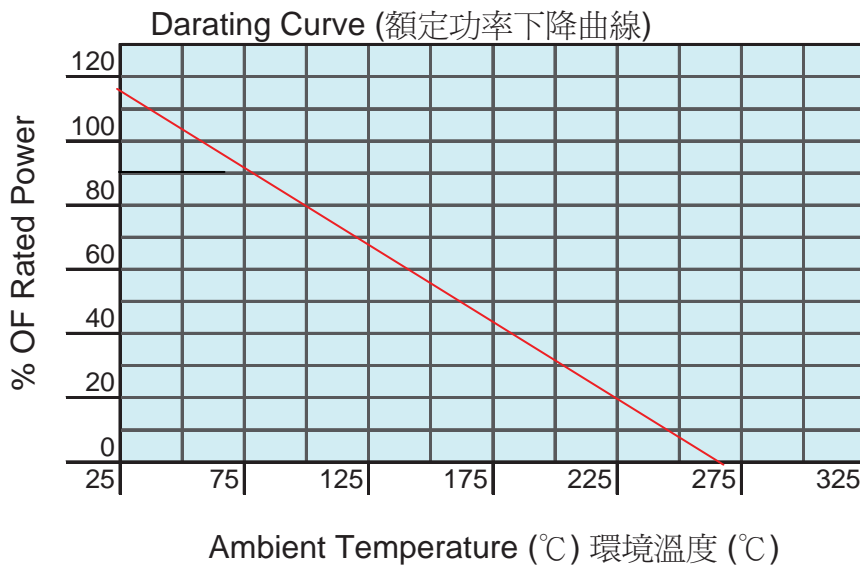
K-Type



□ **RATED POWER**

Type	Power	Maximum Voltage		Resistance	Tolerance	Operating
		Working	Overload	Range		temperature Range
MQ-MPR30	3W	350V	700V	0.01R~1R Ω	F = ±1% J = ±5% J = ±5%	-55°C ~ 155°C
MQ-MPR50	5W	350V	700V	0.01R~1R Ω		
MQ-MPR33	3W+3W	350V	700V	0.01R~1R Ω		
MQ-MPR55	5W+5W	350V	700V	0.01R~1R Ω		
MQ-MPR77	7W+7W	350V	700V	0.01R~1R Ω		

□ **POWER DERATING CURVE**



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□ **ELECTRICAL PERFORMANCE**

CHARACTERISTICS	SPECIFICATIONS	TEST METHODS JIS 5202
Temperature Coefficient	$\pm 350 \text{ ppm } ^\circ\text{C}$	5.2B
Short Time Overload	$\Delta R \leq \pm(2\%R_0 + 0.05\Omega)$	2.5*5SEC
Dlelectric Withstanding Voltage	500V	5.7
Load Life Humidity	$\Delta R \leq \pm(3\%R_0 + 0.05\Omega)$	7.9
Load Lofe	$\Delta R \leq \pm(3\%R_0 + 0.05\Omega)$	7.10
Thermal Shock	$\Delta R \leq \pm(2\%R_0 + 0.05\Omega)$	JIS 5026 6.7

□ **PACKING:**

Type	Power	Plastic Bag	In Box	Carton
MQ-MPR30	3W	100 pcs	1000 pcs	20,000pcs
MQ-MPR50	5W	100 pcs	1000 pcs	20,000pcs
MQ-MPR33	3W+3W	50 pcs	500 pcs	10,000 PCS
MQ-MPR55	5W+5W	50 pcs	500 pcs	10,000 PCS
MQ-MPR77	7W+7W	50 pcs	500 pcs	10,000 PCS



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