

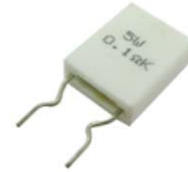
金屬片扁型電阻器

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

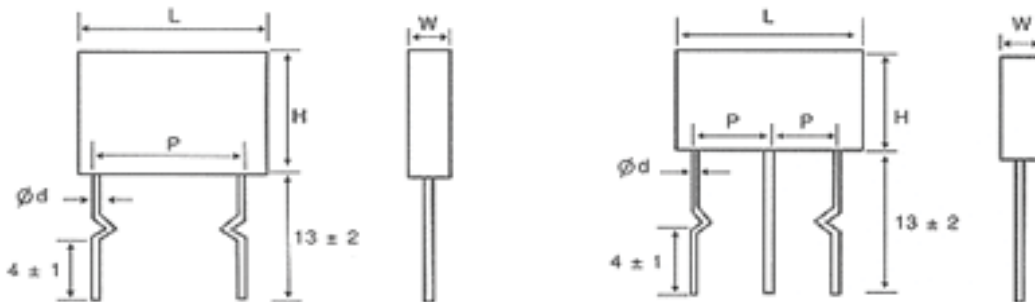
Example: MQ-MPR50BKCR01

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

□ 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.



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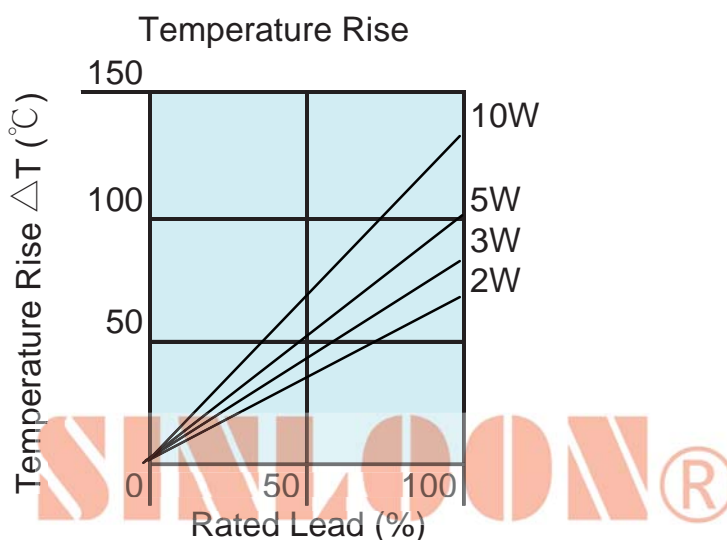
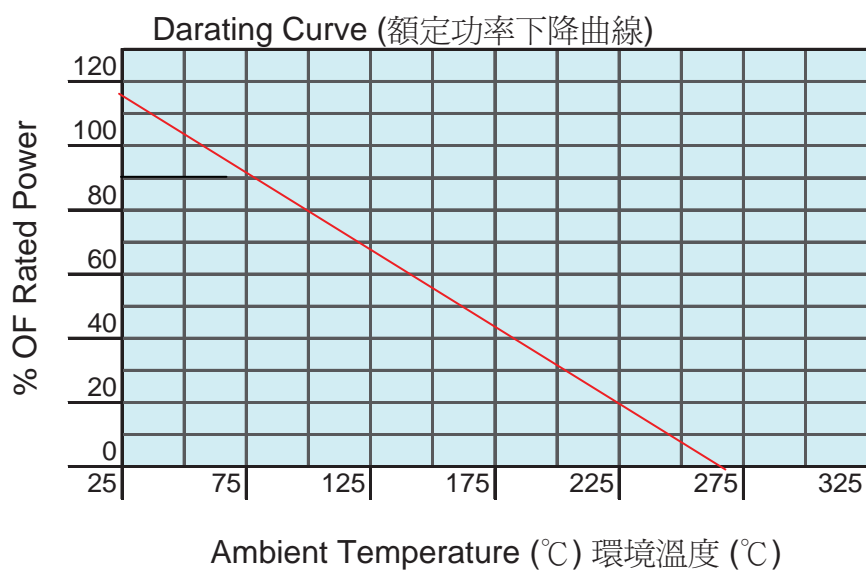
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☐ RATED POWER

Type	Power	Maximum Voltage		Resistance Range	Tolerance		Operating temperature Range
		Working	Overload		J = ±5%	K = ±10%	
MQ-MPR30	3W	350V	700V	0.01R~1R Ω	J = ±5%	K = ±10%	-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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