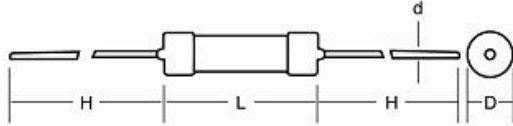


## MF 精密型金屬皮膜電阻器 METAL FILM RESISTOR

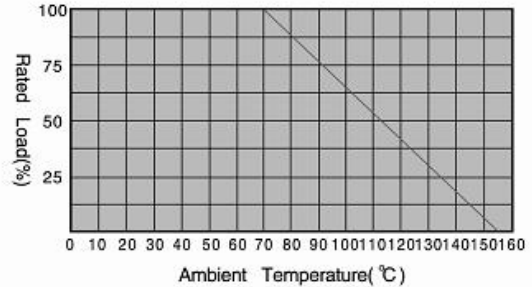
### DIMENSION



#### NOTES:

Too low or too high resistance value can be supplied by request.

### DERATING CURVE



### SPECIFICATIONS

STYLE	MIL STYLE	額定電力 POWER RATING	最高使用電壓 MAXIMUM WORKING VOLTAGE	最高過負荷電壓 MAXIMUM OVERLOAD VOLTAGE	DIMENSIONS(mm)			
					L	D	H	d ± 0.05
MF-1/6	RN-50	1/6W, 1/8W	200V	400V	3.2±0.2	1.8±0.2	28±2.0	0.40
MF-1/4	RN-55	1/4W	250V	500V	6.0±0.5	2.3±0.	28±2.0	0.45
MF-1/2	RN-60	1/2W	350V	700V	9.0±0.5	3.2±0.5	26±2.0	0.52
MF-1	RN-65	1W	500V	1000V	11.0±1.0	4.2±0.5	35±3.0	0.65
MF-2	RN-70	2W	500V	1000V	15.0±1.0	5.0±0.5	33±3.0	0.72

### RESISTANCE RANGE

Type	Tolerance	15ppm TC ± 25ppm	TC ± 50ppm	TC ± 100ppm	
MF-1/6W	±1%	100 Ω-100K Ω	10 Ω-1M Ω	10 Ω-1M Ω	* Standard 10 Ω-1M Ω
	±0.5%	100 Ω-100K Ω	51.1 Ω-200K Ω	51.1 Ω-511K Ω	
	±0.25%	100 Ω-100K Ω	51.1 Ω-200K Ω	51.1 Ω-511K Ω	
	±0.1%	100 Ω-100K Ω			
MF-1/4W	±1%	51.1 Ω-511K Ω	10 Ω-1M Ω	10 Ω-1M Ω *	
	±0.5%	51.1 Ω-511K Ω	10 Ω-1M Ω	10 Ω-1M Ω *	
	±0.25%	100 Ω-330K Ω	51.1 Ω-330K Ω		
	±0.1%	100 Ω-100K Ω			
MF-1/2W	±1%	51.1 Ω-1M Ω	10 Ω-2.2M Ω	10 Ω-1M Ω *	
	±0.5%	51.1Ω-1M Ω	10 Ω-1M Ω	10 Ω-1M Ω *	
	±0.25%	100 Ω-511K Ω	51.1 Ω-511K Ω		
	±0.1%	100 Ω-330K Ω			
MF-1W	±1%	51.1 Ω-1M Ω	10 Ω-2.2M Ω	10 Ω-1M Ω *	
	±0.5%	51.1 Ω-1M Ω	10 Ω-1M Ω	10 Ω-1M Ω *	
	±0.25%	100 Ω-511K Ω	51.1 Ω-511K Ω		
	±0.1%	100 Ω-330K Ω			
MF-2W	±1%	51.1 Ω-1M Ω	10 Ω-2.2M Ω	10 Ω-1M Ω *	
	±0.5%	51.1 Ω-1M Ω	10 Ω-1M Ω	10 Ω-1M Ω *	
	±0.25%	100 Ω-511K Ω	51.1 Ω-511K Ω		
	±0.1%	100 Ω-330K Ω			

### ELECTRICAL PERFORMANCE

Test Items	Condition	MIL-R-10509
Operating Temp.	-30°C~+155°C	
Short Time Overload	2.5 times of RCWV for 5 secs	±(0.5%+0.05 Ω)
Load life	70°C at rated power 1.5 hrs on; 0.5 hr off for 1000 hrs	±(1%+0.05 Ω)
Dielectric Withstanding Voltage	Max Overload Voltage 1 Minute	±(0.5%+0.05 Ω)
Temp. Cycling	-30°C / +85°C for 5 cycles	±(1%+0.05 Ω)
Insulation Resistance	D.C. 500V	1000MΩ
Moisture-proof Load Life	40°C 95% RH 1.5 hrs on/0.5 hr off cycle for 1000 hrs	±(1%+0.05 Ω)
Solder Heat Resistance	350°C for 3.5 secs.	±(0.5%+0.05 Ω)
Intermittence Overload Voltage	At 4 times RCWV 1sec On / 25secs off for 10000 cycles	±(1%+0.05 Ω)

\*Total resistance change : (Δ R%+0.05Ω)