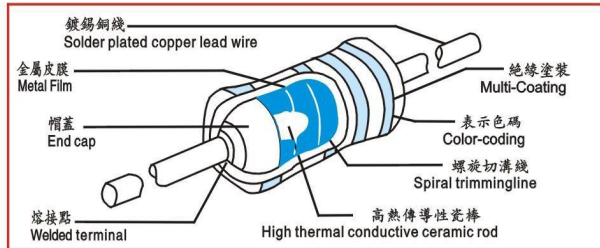


■ 制品介紹 INTRODUCTION

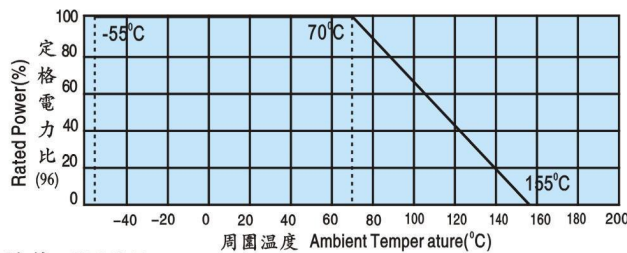
MF 金屬皮膜電阻器屬於高性能之精密電阻器，適用於精密電子回路。

MF, Metal film resistor, is a precise and functional resistor. It is suitable for applications on precise electronic circuits.

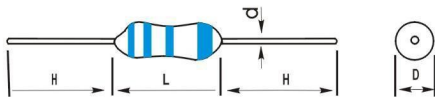
■ 構造 CONSTRUCTION



■ 負荷輕減曲線 DERATING CURVE



■ 形狀 STYLE



■ 尺寸 DIMENSIONS

形名 TYPE	尺寸 Dimensions (mm)				額定功率 Power Rating	最高工作電壓 Max Working Voltage	最高過負荷電壓 Max Overload Voltage	耐電壓 Dielectric Withstanding Voltage	電阻值範圍 Resistance Range
	L	D	d	H					
普通型 Normal size	MF1/6W	3.2±0.2	1.8±0.2	0.40±0.02	25±3	0.16W	200V	300V	0.1Ω~22M
	MF1/4W	6.5±0.5	2.3±0.3	0.43±0.02	25±3	0.25W	250V	500V	0.1Ω~22M
	MF1/2W	9.0±1.0	3.2±0.5	0.50±0.02	25±3	0.5W	350V	700V	0.1Ω~22M
	MF1W	12.0±1.0	4.5±0.5	0.65±0.02	25±3	1W	500V	1000V	0.1Ω~22M
	MF2W	15.5±1.0	5.0±1.0	0.72±0.02	27±3	2W	500V	1000V	0.1Ω~22M
	MF3W	17.5±1.0	6.0±1.0	0.72±0.02	27±3	3W	500V	1000V	0.1Ω~22M
小型化 Small size	MF5W	24.5±1.0	8.5±1.0	0.75±0.02	27±3	5W	750V	1000V	0.1Ω~22M
	MF1/4W(S)	3.2±0.2	1.8±0.2	0.40±0.02	25±3	0.25W	200V	400V	0.1Ω~22M
	MF1/2W(S)	6.5±0.5	2.3±0.3	0.43±0.02	25±3	0.5W	250V	500V	0.1Ω~22M
	MF1W(S)	9.0±1.0	3.2±0.3	0.50±0.02	25±3	1W	350V	700V	0.1Ω~22M
	MF2W(S)	12.0±1.0	4.5±0.5	0.65±0.02	25±3	2W	500V	1000V	0.1Ω~22M
	MF3W(S)	15.5±1.0	5.0±1.0	0.72±0.02	25±3	3W	500V	1000V	0.1Ω~22M
MF5W(S)	17.0±1.0	6.0±1.0	0.72±0.02	27±3	5W	500V	1000V	0.1Ω~22M	

NOTE: Specification can be constructed on request.

■ 訂貨方式 HOW TO ORDER

MF	1/4W	T52	J	10K
種類 Type	預定電力 Power Rating	形狀/包裝方式 Form/ Packaging	電阻值誤差率 Resistance Tolerance	公稱電阻值 Nominal Resistance
	Normal Size Small Size	S.P Bulk (Straight)	J ±5%	3-Digit: E-24, 12 Series
	1/6W 1/4WS	M Bulk, M-Form series (Horizontal Forming)	K ±10%	e.g. OR12 = 0.12Ω
	1/4W 1/2WS	U Bulk, U-Form series (Vertical Forming)	M ±20%	120R = 120Ω
	1/2W 1WS	T/R Boxed (26.52.63.73.83mm width taping)	F ±1%	1K2 = 1.2KΩ
	1W 2WS	T/R Tape on reel packing	D ±0.5%	12K = 12KΩ
	2W 3WS	U/T Radial Taping	C ±0.25%	12M = 12MΩ
			B ±0.1%	

■ 特長 FEATURES

- 高安定性 High stability
- 低雜音・低溫度係數 Low noise, Low temp. coefficient
- 精密特性 Precision characteristics



■ 特性 CHARACTERISTICS

試驗項目 Test Items	規格值 Specified Value
溫度係數 Temp. coefficient of resistance	±50, ±100 PPM/°C
短時間過負荷 Short time overload	±(0.5%+0.05Ω)
耐電壓 Dielectric withstanding voltage	無損壞的異狀 No evidence of damage
絕緣抵抗 Insulation resistance	Over 10 ¹⁰ MΩ
端子強度 Terminal strength	無損壞的異狀 No evidence of damage
耐久性(耐濕負荷) Moisture load life	±(1.5%+0.05Ω)
耐久性(定格負荷)70°C Load life at 70°C	±(2%+0.05Ω)
溫度循環 Temperature cycling	±(1%+0.05Ω)
焊錫耐熱性 Resistance to soldering heat	±(0.5%+0.05Ω)
焊錫附著性 Resistance to soldering heat	Over 95%
耐溶劑性 Resistance to solvent	無損壞的異狀 No evidence of damage