



- ◇ Temperature coefficient: $\pm 100\text{ppm}$, $\pm 50\text{ppm}$, $\pm 25\text{ppm}$, $\pm 15\text{ppm}$, $\pm 10\text{ppm}/^\circ\text{C}$
- ◇ Power rating: $1/16\text{w}$, $1/8\text{w}$, $1/6\text{w}$, $1/4\text{w}$, $1/2\text{w}$, 1w , 2w , 3w
- ◇ Resistance tolerance: $\pm 5\%$ $\pm 2\%$ $\pm 1\%$ $\pm 0.5\%$ $\pm 0.25\%$ $\pm 0.1\%$ $\pm 0.05\%$ $\pm 0.01\%$
- ◇ Low noise

Specifications

Type	Power rating 70°C	Dimension(mm)				Maximum operating voltage	Maximum overload voltage	Insulation Voltage	Resistance Range
		L	D	H	d				
MF-12	1/16 W 1/8 W 1/6 W	3.2±0.3	1.8±0.2	28±2	0.45±0.05	200 V	400 V	300V	Standard Range 10Ω-1MegΩ Special Range 0 - - - - -
MF-25S	1/4 W	3.2±0.3	1.8±0.2	28±2	0.45±0.05	250 V	500 V	300V	
MF-25	1/4 W	6.0±0.5	2.3±0.3	26±2	0.50±0.05	250 V	500 V	500V	
MF-50S	1/2 W	6.0±0.5	2.3±0.3	26±2	0.50±0.05	350 V	700 V	500V	
MF-50	1/2 W	9.0±0.5	3.2±0.5	26±2	0.58±0.05	350 V	700 V	700V	
MF-100S	1 W	9.0±0.5	3.2±0.5	26±2	0.58±0.05	500 V	1000 V	700V	
MF-100	1 W	11±1.0	4.5±0.5	33±3	0.80±0.05	500 V	1000 V	1000V	
MF-200S	2 W	11±1.0	4.5±0.5	33±3	0.80±0.05	500 V	1000 V	1000V	
MF-200	2 W	15±1.0	5.0±0.5	30±3	0.80±0.05	500 V	1000 V	1000V	
MF-300S	3 W	15±1.0	5.0±0.5	30±3	0.80±0.05	500 V	1000 V	1000V	

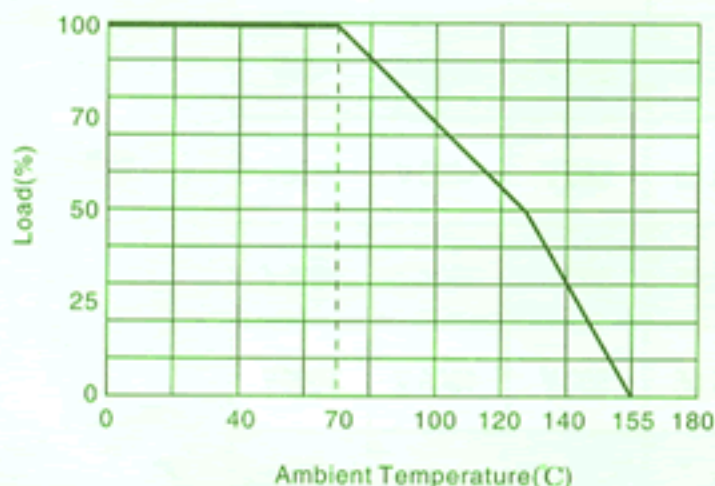
RESISTORS

METAL FILM FIXED RESISTORS (MF)

Feature

試驗 Test	性能 Characteristics	測試方法 Test Method (JIS C5202)
使用溫度範圍 Temp Range	-55~+155°C	---
端子強度 Terminal Strength	拉力 2.5kg 10秒以上 Tensile 2.5kg over 10 seconds	6.1
抵抗溫度係數 Temp Coefficient	±100 PPM/°C	5.2
耐溶劑性 Resistance to Solvents	外觀無損傷，電氣性能無異常發生 No mechanical damage, no change for character	MIL-STD-202E-215
焊錫性 Solderability	覆蓋面積大於95%以上 Over 95% covered	6.5
耐電壓 Dielectric Withstanding Voltage	無絕緣破壞 No mechanical damage	5.1A
絕緣阻抗 Insulation Resistance	≥10000MΩ	5.6A
短時間過負荷 Short-Time Overload	±(0.5%+0.05Ω)	5.5A
焊接耐熱性 Resistance to soldering heat	±(0.5%+0.05Ω)	6.4 350°C 3sec
耐久性 (耐濕負荷) Moisture Resistance	±(1%+0.05Ω)	7.9 1000 hrs
耐久性 (額定負荷) Rated Voltage Resistance	±(1%+0.05Ω)	7.10 1000 hrs

Derating curve



Surface temp rise

