

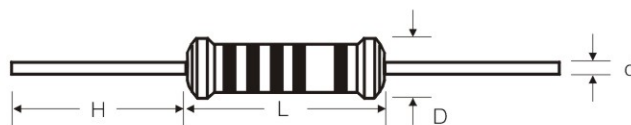
# FLAMEPROOF HIGH PRECISION METAL FILM FIXED RESISTOR 不燃性高精密金屬膜固定電阻器



MFF	12.5	(25S)
	25	(50S)
	50	(100S)
	100	(200S)
	200	(300S)
	300	

- TOLERANCE 誤差 : ±1%, ±2%, ±5%
- RESISTANCE VALUE RANGE 阻值範圍 : 0.1 OHM – 22 MEG OHM
- T.C.R. RANGE 溫度特性範圍 : ±50PPM~100PPM
- TESTING STANDARD 測試標準 : JISC 5202
- OVERCOAT THE RESISTOR BODY WITH INFLAMMABLE BODY COATING 塗上不燃性塗漆于電阻體上

## DIMENSIONS 尺寸



Unit: mm

TYPE 型號	MEASUREMENT 外型尺寸			
	L	D	H	d
MFF12.5(MFF25S)	3.5 ± 0.5	1.7 ± 0.5	26.5 ± 1.0	0.38 ± 0.05
MFF25(MFF50S)	6.5 ± 1.0	2.3 ± 0.5	26 ± 1.0	0.41 ± 0.05
MFF50(MFF100S)	9.0 ± 1.0	3.0 ± 0.5	25 ± 1.0	0.48 ± 0.05
MFF100(MFF200S)	11.0 ± 1.5	4.0 ± 0.5	24 ± 1.0	0.55 ± 0.05
MFF200(MFF300S)	15.0 ± 1.5	5.0 ± 0.5	23 ± 1.0	0.70 ± 0.05
MFF300	17.0 ± 1.5	6.0 ± 0.5	25 ± 1.0	0.70 ± 0.05

## ELECTRICAL CHARACTERISTICS 電器特性

ALL MEASUREMENTS ARE TAKEN AT 25°C AT 1KHZ AND 65% RELATIVE HUMIDITY, UNLESS OTHERWISE STATED  
所有測試必須在環境溫度25°C及濕度65%的條件下進行

DESCRIPTION 內容	MFF-12.5	MFF-25 (MFF-25S)	MFF-50 (MFF-50S)	MFF-100 (MFF-100S)	MFF-200 (MFF-200S)	MFF-300 (MFF-300S)
STANDARD VALUE RANGE 標準阻值範圍	10Ω – 1MΩ	10Ω – 1MΩ	10Ω – 1MΩ	10Ω – 1MΩ	10Ω – 1MΩ	10Ω – 1MΩ
POWER RATING AT 70°C 額定功率(70°C)	1/8W	1/4W	1/2W	1W	2W	3W
MAX WORKING VOLTAGE 最高使用電壓	200V	250V (200V)	350V (250V)	500V (350V)	500V	500V
MAX OVERLOAD VOLTAGE 最高過負荷電壓	400V	500V (400V)	700V (500V)	1000V (700V)	1000V	1000V
OPERATING TEMPERATURE RANGE 使用溫度範圍	-55°C ~ +135°C	-55°C ~ +135°C	-55°C ~ +135°C	-55°C ~ +155°C	-55°C ~ +155°C	-55°C ~ +155°C
STANDARD T.C.R 標準溫度特性	± 100PPM	± 100PPM	± 100PPM	± 100PPM	± 100PPM	± 100PPM
TEMPERATURE CYCLING 溫度循環	± (0.5% R +0.05Ω)	± (0.5% R +0.05Ω)	± (0.5% R +0.05Ω)	± (0.5% R +0.05Ω)	± (0.5% R +0.05Ω)	± (0.5% R +0.05Ω)
INSULATION RESISTANCE 絕緣電阻	MIN. 1,000MΩ	MIN. 1,000MΩ	MIN. 1,000MΩ	MIN. 1,000MΩ	MIN. 1,000MΩ	MIN. 1,000MΩ
HUMIDITY 耐濕負荷壽命	± (1.5% R +0.05Ω)	± (1.5% R +0.05Ω)	± (1.5% R +0.05Ω)	± (1.5% R +0.05Ω)	± (1.5% R +0.05Ω)	± (1.5% R +0.05Ω)
SHORT-TIME OVERLOAD 短時間過負荷	± (0.5% R +0.05Ω)	± (0.5% R +0.05Ω)	± (0.5% R +0.05Ω)	± (0.5% R +0.05Ω)	± (0.5% R +0.05Ω)	± (0.5% R +0.05Ω)
SOLDERABILITY 焊錫性	MIN.95% COVERED	MIN.95% COVERED	MIN.95% COVERED	MIN.95% COVERED	MIN.95% COVERED	MIN.95% COVERED
VIBRATION 耐震性	± (0.5% R +0.05Ω)	± (0.5% R +0.05Ω)	± (0.5% R +0.05Ω)	± (0.5% R +0.05Ω)	± (0.5% R +0.05Ω)	± (0.5% R +0.05Ω)
LOAD LIFE 負載壽命	± (2% R +0.05Ω)	± (2% R +0.05Ω)	± (2% R +0.05Ω)	± (2% R +0.05Ω)	± (2% R +0.05Ω)	± (2% R +0.05Ω)

The working voltage is calculated based on the resistance value following the formula of  $V = \sqrt{P \cdot R}$  or to its maximum extent as indicated above  
The overload voltage is calculated based on the resistance value following the formula of  $V = 25 \cdot \sqrt{P \cdot R}$  or to its maximum extent as indicated above

