

CARBON FILM FIXED RESISTOR 碳膜固定電阻器

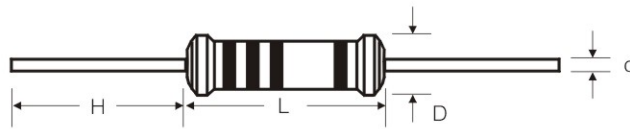
CF

12.5 (25S)
25 (50S)
50 (100S)
100 (200S)
200 (300S)
300 (500S)



- TOLERANCE 誤差 : $\pm 2\%$, $\pm 5\%$
- RESISTANCE VALUE RANGE 阻值範圍 : 1 OHM – 22 MEG OHM
- TESTING STANDARD 測試標準 : JISC 5202

DIMENSIONS 尺寸



Unit: mm

TYPE 型號	MEASUREMENT 外型尺寸			
	L	D	H	d
CF12.5(CF25S)	3.5 ± 0.5	1.7 ± 0.5	21 ± 1.0	0.38 ± 0.05
CF25(CF50S)	6.0 ± 1.0	2.3 ± 0.5	20 ± 1.0	0.38 ± 0.05
CF50(CF100S)	9.0 ± 1.0	3.0 ± 0.5	25 ± 1.0	0.48 ± 0.05
CF100(CF200S)	11.0 ± 1.5	4.0 ± 0.5	24 ± 1.0	0.55 ± 0.05
CF200(CF300S)	15.0 ± 1.5	5.0 ± 0.5	23 ± 1.0	0.70 ± 0.05
CF300(CF500S)	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	CF-12.5	CF-25 (CF-25S)	CF-50 (CF-50S)	CF-100 (CF-100S)	CF-200 (CF-200S)	CF-300 (CF-300S)
STANDARD VALUE RANGE 標準阻值範圍	1Ω-4.7MΩ	1Ω-4.7MΩ	1Ω-4.7MΩ	1Ω-4.7MΩ	1Ω-4.7MΩ	1Ω-4.7MΩ
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)	1,000V	1,000V
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
TEMPERATURE COEFFICIENT 溫度特性						
≤ 10Ω	± 350PPM	± 350PPM	± 350PPM	± 350PPM	± 350PPM	± 350PPM
10Ω-220KΩ	-500PPM	-500PPM	-500PPM	-400PPM	-400PPM	-400PPM
230KΩ-1MΩ	-1,000PPM	-1,000PPM	-700PPM	-600PPM	-600PPM	-600PPM
OVER 1MΩ	-1,500PPM	-1,500PPM	-1,000PPM	-1,000PPM	-1,000PPM	-1,000PPM
TEMPERATURE CYCLING 溫度循環	± (1% R +0.05Ω)	± (1% R +0.05Ω)	± (1% R +0.05Ω)	± (1% R +0.05Ω)	± (1% R +0.05Ω)	± (1% R +0.05Ω)
VOLTAGE COEFFICIENT 電壓特性	MAX.50 PPM/V	MAX.50 PPM/V	MAX.50 PPM/V	MAX.50 PPM/V	MAX.50 PPM/V	MAX.50 PPM/V
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	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%
SHORT-TIME OVERLOAD 短時間過負荷	± (1% R +0.05Ω)	± (1% R +0.05Ω)	± (1% R +0.05Ω)	± (1% R +0.05Ω)	± (1% R +0.05Ω)	± (1% 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	± (1% R +0.05Ω)	± (1% R +0.05Ω)	± (1% R +0.05Ω)	± (1% R +0.05Ω)	± (1% R +0.05Ω)	± (1% R +0.05Ω)
LOAD LIFE 負載壽命	MAX. ± 5%	MAX. ± 5%	MAX. ± 5%	MAX. ± 5%	MAX. ± 5%	MAX. ± 5%

Remarks : Non-standard resistance values, high precision tolerances and low TCR items are available upon request.
不常規阻值、高精密誤差和低TCR產品亦可提供。

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