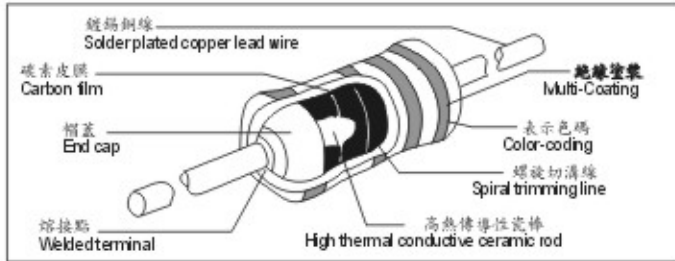


### 製品介紹 INTRODUCTION

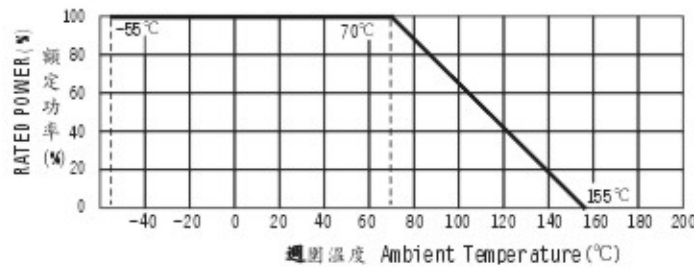
CF 碳素皮膜電阻器具有高信賴性、高穩定性及價格便宜等特性，廣泛應用於各種電子機器/設備。

CF Carbon film resistor with the features of high reliability, stability, lower price applied for various electronic equipments.

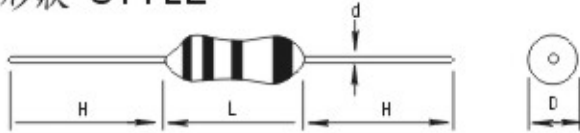
### 構造 CONSTRUCTION



### 功率曲線 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	CF1/6W	3.2 ± 0.2	1.8 ± 0.2	0.40 ± 0.02	28 ± 3	0.16W	250V	400V	300V	1Ω~10M
	CF1/4W	6.5 ± 0.5	2.3 ± 0.3	0.45 ± 0.02	28 ± 3	0.25W	300V	600V	500V	0.1Ω~22M
	CF1/2W	9.0 ± 1.0	3.2 ± 0.5	0.50 ± 0.02	28 ± 3	0.5W	350V	700V	700V	0.1Ω~22M
	CF1W	12.0 ± 1.0	4.5 ± 0.5	0.65 ± 0.02	28 ± 3	1W	500V	1000V	1000V	0.1Ω~22M
	CF2W	15.5 ± 1.0	5.0 ± 1.0	0.75 ± 0.02	30 ± 3	2W	750V	1500V	1000V	0.1Ω~22M
	CF3W	17.5 ± 1.0	6.0 ± 1.0	0.75 ± 0.02	30 ± 3	3W	850V	1600V	1000V	0.1Ω~22M
小型化 Small size	CF1/4W(S)	3.2 ± 0.2	1.8 ± 0.2	0.40 ± 0.02	28 ± 3	0.25W	250V	400V	300V	0.1Ω~22M
	CF1/2W(S)	6.5 ± 0.5	2.3 ± 0.3	0.45 ± 0.02	28 ± 3	0.5W	300V	600V	500V	0.1Ω~22M
	CF1W(S)	9.0 ± 1.0	3.2 ± 0.5	0.50 ± 0.02	28 ± 3	1W	350V	700V	700V	0.1Ω~22M
	CF2W(S)	12.0 ± 1.0	4.5 ± 0.5	0.65 ± 0.02	28 ± 3	2W	500V	1000V	1000V	0.1Ω~22M
	CF2W(S)	12.0 ± 1.0	4.5 ± 0.5	0.65 ± 0.02	28 ± 3	2W	500V	1000V	1000V	0.1Ω~22M
	CF3W(S)	15.5 ± 1.0	5.0 ± 1.0	0.75 ± 0.02	30 ± 3	3W	750V	1500V	1000V	0.1Ω~22M

NOTE: Special specification can be constructed on request.

### 訂貨方式 HOW TO ORDER

RD	1/4W	T52	J	10K
種類 Type	額定功率 Power Rating	形狀/包裝方式 Form/ Packaging	電阻值容差 Resistance Tolerance	公稱電阻值 Nominal Resistance
	Normal Size Small Size	S Bulk (Straight)	J ± 5%	3-Digit: E-24, 12 Series e.g. 0R12 = 0.12Ω
	1/6W 1/4W(S)	M Bulk, M-Form series(Horizontal Forming)	K ± 10%	120R = 120Ω
	1/4W 1/2W(S)	U Bulk, u-Form series(Vertical Forming)	M ± 20%	1K2 = 1.2KΩ
	1/2W 1W(S)	Txx Boxed (26, 52, 63, 73, 83mm width taping)		12K = 12KΩ
	1W 2W(S)	T/R Tape on reel packing		12M = 12MΩ
	2W 3W(S)	U/T Radial taping		

### 特徵 FEATURES

- 高信賴性 High reliability
- 高穩定性 High stability
- 價格便宜 Lower price

### 特性 CHARACTERISTICS

試驗項目 Test Items	規格值 Specified Value
短時間過負荷 Short time overload	± (1%+0.05Ω)
耐電壓 Dielectric withstanding voltage	無損壞的異狀 No evidence of damage
絕緣抵抗 Insulation resistance	>10 <sup>4</sup> MΩ
端子強度 Terminal strength	無損壞的異狀 No evidence of damage
耐濕負荷 Moisture load life	R < 100KΩ ± 3% R > 100KΩ ± 5%
壽命實驗 (定格負荷) 70°C Load life at 70°C	R < 100KΩ ± (2%+0.05Ω) R > 100KΩ ± 3%
溫度循環 Temperature cycling	± (1%+0.05Ω)
抗焊錫熱 Resistance to solder ing heat	± (0.5%+0.05Ω)
焊錫性 Solderability	>95%
耐溶劑性 Resistance to solvent	無損壞的異狀 No evidence of damage

### 溫度係數 TEMP. COEFFICIENT OF RESISTANCE

Type	T.C.R.	± 450PPM/°C	-700PPM/°C	-1000PPM/°C	-1300PPM/°C
1/6W, 1/4W(S)	< 47KΩ	51K~100KΩ	110K~330KΩ	> 360KΩ	
Over 1/4W, 1/2W(S)	< 100KΩ	110K~1MΩ	1.1M~2.2MΩ	> 2.4MΩ	