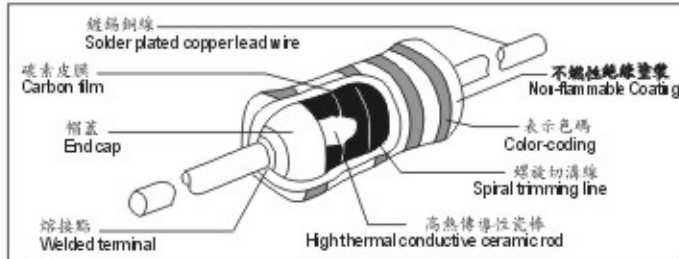


製品介紹 INTRODUCTION

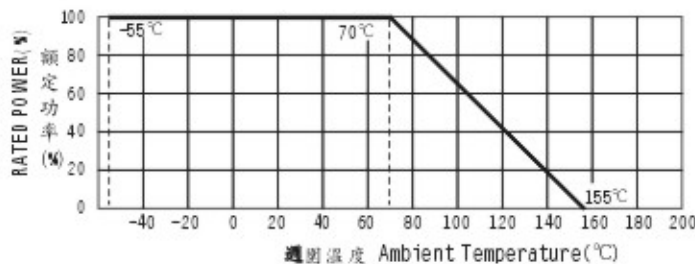
CFN 不燃性碳素皮膜電阻器，是屬於高性能之不燃性電阻器，適用於各種電子機器/設備。

CFN Flame proof carbon film resistor, is a functional and non-flammable resistor which is applied for various electronic devices.

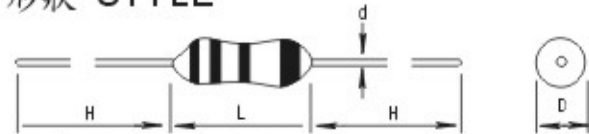
構造 CONSTRUCTION



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	CFN1/6W	3.2 ± 0.2	1.8 ± 0.2	0.40 ± 0.02	28 ± 3	0.16W	250V	400V	300V	1Ω~10M
	CFN1/4W	6.5 ± 0.5	2.3 ± 0.3	0.45 ± 0.02	28 ± 3	0.25W	300V	600V	500V	0.1Ω~22M
	CFN1/2W	9.0 ± 1.0	3.2 ± 0.5	0.50 ± 0.02	28 ± 3	0.5W	350V	700V	700V	0.1Ω~22M
	CFN1W	12.0 ± 1.0	4.5 ± 0.5	0.65 ± 0.02	30 ± 3	1W	500V	1000V	1000V	0.1Ω~22M
	CFN2W	15.5 ± 1.0	5.0 ± 1.0	0.75 ± 0.02	30 ± 3	2W	750V	1500V	1000V	0.1Ω~22M
小型化 Small size	CFN1/4W(S)	3.2 ± 0.2	1.8 ± 0.2	0.40 ± 0.02	28 ± 3	0.25W	250V	400V	300V	0.1Ω~22M
	CFN1/2W(S)	6.5 ± 0.5	2.3 ± 0.3	0.45 ± 0.02	28 ± 3	0.5W	300V	600V	500V	0.1Ω~22M
	CFN1W(S)	9.0 ± 1.0	3.2 ± 0.5	0.50 ± 0.02	28 ± 3	1W	350V	700V	700V	0.1Ω~22M
	CFN2W(S)	12.0 ± 1.0	4.5 ± 0.5	0.65 ± 0.02	28 ± 3	2W	500V	1000V	1000V	0.1Ω~22M
	CFN3W(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) M Bulk, M-Form series (Horizontal Forming) U Bulk, u-Form series (Vertical Forming) Txx Boxed (26, 52, 63, 73, 83mm width taping) T/R Tape on reel packing U/T Radial taping	J ±5% K ±10% M ±20%	3-Digit: E-24, 12 Series e.g. 0R12 = 0.12Ω 120R = 120Ω 1K2 = 1.2KΩ 12K = 12KΩ 12M = 12MΩ

特徵 FEATURES

- 高抗熱性 Superior heat resistance
- 耐脈衝性 Superior pulse resistance
- 不燃性塗裝 Flame proof painting

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)
絕緣耐電壓 Dielectric withstanding voltage	無損壞的異狀 No evidence of damage
絕緣抵抗 Insulation resistance	>10 ¹⁰ 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 < 100K Ω ± 3% R > 100K Ω ± 5%
壽命實驗 (定格負荷) 70°C Load life at 70°C	R < 100K Ω ± (2%+0.05Ω) R > 100K Ω ± 3%
溫度循環 Temperature cycling	± (1%+0.05Ω)
焊錫性 Solderability	>95%
耐溶劑性 Resistance to solvent	無損壞的異狀 No evidence of damage
不燃性 Flame proof	無燃燒的異狀 No evidence of flame

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	