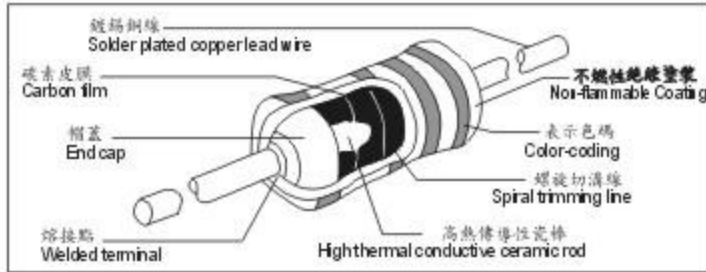


製品介紹 INTRODUCTION

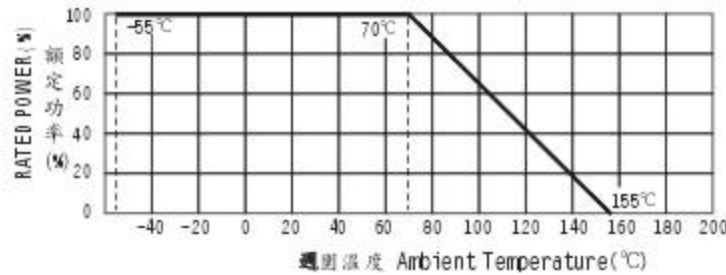
FRN 保險絲金屬皮膜電阻器，屬於高性能之不燃性電阻器，適用於需要保護的電路基板及設計。

FRN Fusible metal film resistor, is a non-flammable resistor, which is applied to protect electronic circuit boards and design.

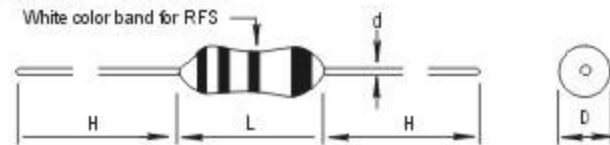
構造 CONSTRUCTION



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						
標準型 Normal size	FRN 1/6W	3.2 ± 0.2	1.8 ± 0.2	0.40 ± 0.02	28 ± 3	0.16W	200V	400V	300V	0.1Ω~10M
	FRN 1/4W	6.5 ± 0.5	2.3 ± 0.3	0.45 ± 0.02	28 ± 3	0.25W	250V	500V	500V	0.1Ω~10M
	FRN 1/2W	9.0 ± 1.0	3.2 ± 0.5	0.50 ± 0.02	28 ± 3	0.5W	350V	700V	500V	0.1Ω~10M
	FRN 1W	12.0 ± 1.0	4.5 ± 0.5	0.65 ± 0.02	30 ± 3	1W	500V	1000V	700V	0.1Ω~10M
	FRN 2W	15.5 ± 1.0	5.0 ± 1.0	0.75 ± 0.02	30 ± 3	2W	500V	1000V	900V	0.1Ω~10M
小型化 Small size	FRN1/4W(S)	3.2 ± 0.2	1.8 ± 0.2	0.40 ± 0.02	28 ± 3	0.25W	200V	400V	300V	0.1Ω~10M
	FRN1/2W(S)	6.5 ± 0.5	2.3 ± 0.3	0.45 ± 0.02	28 ± 3	0.5W	250V	500V	500V	0.1Ω~10M
	FRN 1W(S)	9.0 ± 1.0	3.2 ± 0.5	0.50 ± 0.02	28 ± 3	1W	350V	700V	500V	0.1Ω~10M
	FRN 2W(S)	12.0 ± 1.0	4.5 ± 0.5	0.65 ± 0.02	28 ± 3	2W	500V	1000V	700V	0.1Ω~10M
	FRN 3W(S)	15.5 ± 1.0	5.0 ± 1.0	0.75 ± 0.02	30 ± 3	3W	500V	1000V	900V	0.1Ω~10M

NOTE: Special specification can be constructed on request.

訂貨方式 HOW TO ORDER

SNN	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
	1/4W 1/2W(S)	S Bulk (Straight)	J ± 5%	3-Digit: E-24, 12 Series
	1/2W 1W(S)	M Bulk, M-Form series (Horizontal Forming)	K ± 10%	e.g. 0R12 = 0.12Ω
	1W 2W(S)	U Bulk, u-Form series (Vertical Forming)		120R = 120Ω
	2W 3W(S)	Txx Boxed (25, 52, 63, 73, 83mm width taping)		1K2 = 1.2KΩ
		T/R Tape on reel packing		12K = 12KΩ

特徵 FEATURES

- 不燃性塗裝 Flame proof painting
- 低溫度係數 Low temperature coefficient
- 保險絲熔斷時間一致 Uniform in fusing time

特性 CHARACTERISTICS

試驗項目 Test Items	規格值 Specified Value
溫度係數 Temp. Coefficient of resistance	± 200PPM/°C
短時間過負荷 Short time overload	± (2%+0.05Ω)
耐電壓 Dielectric withstanding voltage	無損壞的異狀 No evidence of damage
端子強度 Terminal strength	無損壞的異狀 No evidence of damage
耐濕負荷 Moisture load life	± (5%+0.05Ω)
壽命實驗 (定格負荷) 70°C Load life at 70°C	± (5%+0.05Ω)
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 flare

熔斷特性 FUSING CHARACTERISTICS

POWER	FUSING TIME	
	Maximin	
16X Wattage	1 Min.	
20	40 Sec.	
24	30 Sec.	
28	20 Sec.	
32	15 Sec.	