THUNDER®

氧化金屬皮膜電阻器
METAL OXIDE FILM RESISTORS

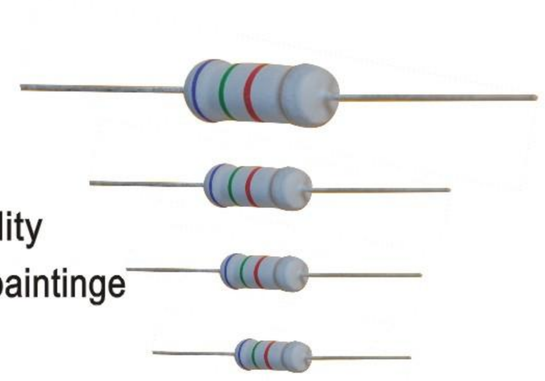
RSN

制品介紹 INTRODUCTION

RSN 金屬氧化皮膜電阻器具有高信賴性、高穩定性及不燃等特性，適用于各種較大功率回路。RSS爲小型化產品。

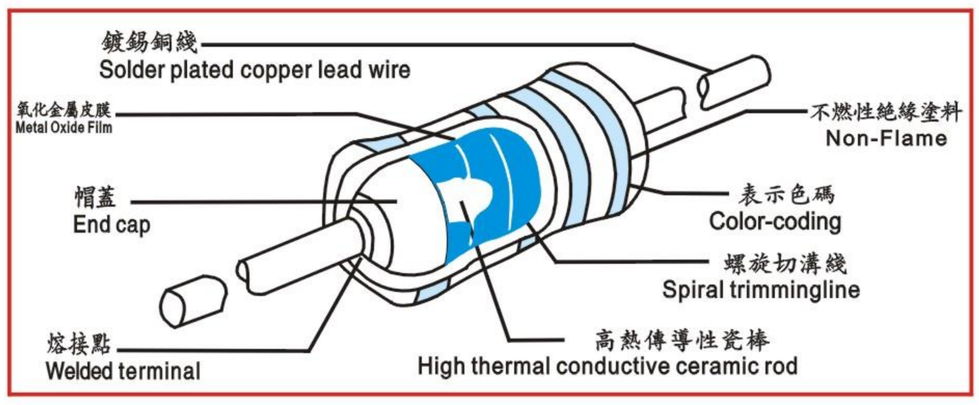
RSN Metal oxide film resistor,is with high reliability,high stability,and flameproof.It is applied to higherpower circuits of electronic devices.RSS:Small-sized metal oxide film resistors

特徵 FEATURES



- 高電力性 High wattage
- 高穩定性、高信賴性 High stability,High reliability
- 不燃性塗裝 Flame proof paintinge

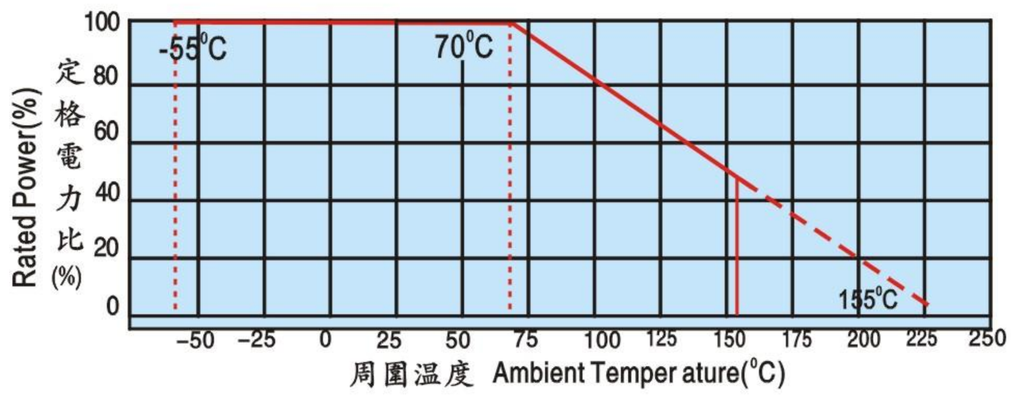
構造 CONSTRUCTION



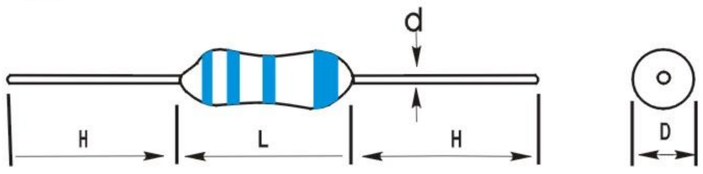
特性 CHARACTERISTICS

試驗項目 Test Items	規格值 Specified Value
温度系數 Temp.coefficient of resistance	±350PPM/°C
短時間過負荷 Short time overload	RSN：±(1%+0.05Ω) RSS：±(2%+0.1Ω)
耐電壓 Dielectric withstanding voltage	無損壞的异狀 No evidence of damage
絶緣抵抗 Insulation resistance	> 10^4MΩ
端子强度 Terminal strength	無損壞的异狀 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 700C	±(5%+0.05Ω)
温度循環 Temper ature cycling	±(1%+0.05Ω)
焊錫性 Solderability	> 95%
耐溶劑性 Solderability	無損壞的异狀 No evidence of damage
不燃性 Flame proof	無燃燒的异狀 No evidence of flame

負荷輕減曲綫 DERATING CURVE



形狀 STYLE



尺寸 DIMENSIONS

形名 TYPE		尺 寸 Dimensions (mm) L	D	d	H	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
普通型 Normal size	RSN1/4W	6.5±0.5	2.3±0.3	0.43±0.02	25±3	0.25W	200V	300V	250V	0.1Ω~600KΩ
	RSN1/2W	9.0±1.0	3.2±0.5	0.50±0.02	25±3	0.5W	250V	400V	350V	0.1Ω~600KΩ
	RSN1W	12.0±1.0	4.5±0.5	0.65±0.02	25±3	1W	350V	600V	500V	0.1Ω~600KΩ
	RSN2W	15.5±1.0	5.0±1.0	0.72±0.02	23±3	2W	350V	600V	500V	0.1Ω~600KΩ
	RSN3W	17.5±1.0	6.0±1.0	0.72±0.02	27±3	3W	450V	700V	600V	0.1Ω~600KΩ
	RSN5W	24.5±1.0	8.5±1.0	0.75±0.02	27±3	5W	750V	1000V	750V	0.1Ω~600KΩ
	RSN7W	41.0±1.0	8.5±1.0	0.8±0.02	38±3	7W	750V	1000V	750V	10Ω~200KΩ
小型华 Small size	RSS1/2W(S)	6.5±0.5	2.3±0.3	0.43±0.02	25±3	0.5W	250V	400V	350V	0.1Ω~600KΩ
	RSS1W(S)	9.0±1.0	3.2±0.3	0.50±0.02	25±3	1W	300V	500V	400V	0.1Ω~600KΩ
	RSS2W(S)	12.0±1.0	4.5±0.5	0.65±0.02	25±3	2W	350V	600V	500V	0.1Ω~600KΩ
	RSS3W(S)	15.5±1.0	5.0±1.0	0.72±0.02	23±3	3W	350V	600V	500V	0.1Ω~600KΩ
	RSS5W(S)	17.0±1.0	6.0±1.0	0.72±0.02	27±3	5W	500V	800V	700V	0.1Ω~600KΩ
	RSS7W(S)	24.5±1.0	8.5±1.0	0.75±0.02	27±3	7W	750V	1000V	750V	0.1Ω~600KΩ
	RSS10W	53.0±1.0	8.5±1.0	0.8±0.02	38±3	10W	800V	150VV	1200V	0.1Ω~600KΩ

NOTE:Specification can be constructed on request.

訂貨方式 HOW TO ORDER

RSS — 種類 Type

Type
Normal Size: RSN
Small Size: RSS

1/4W — 預定電力 Power Rating

Nomal Size	Small Size
1/6W	0.25W
1/2W	0.5W
1W	1W
2W	2W
3W	3W
4W	5W

T52 — 形狀/ 包裝方式 Form/ Packaging

S	Bulk (Straight)
M	Bulk. M-Form series (Horizontal Forming)
U	Buld,U-Form series(Vertical Forming)
Txx	Boxed (26.52.63.73.83mm width taping)
T/R	Tape on reel packing

J — 電阻值誤差率 Resistance Toler ance

F	±1%
G	±2%
J	±5%
K	±10%

10K — 公稱電阻值 Nominal Resistance

3-Digit:E-24, 12 Series

e.g. OR12 = 0.12Ω
120R = 120Ω
1K2 = 1.2KΩ
12K = 12KΩ
12M = 12MΩ