

氧化金屬皮膜電阻器 METAL OXIDE FILM RESISTORS

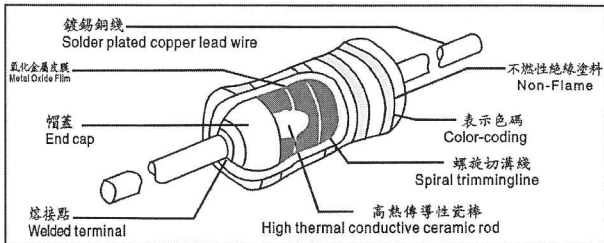
RSN

■ 製品介紹 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，適用於各種較大功率回路。RSS為小型化產品。

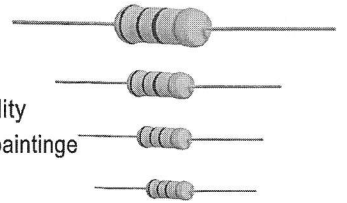
RSN Metal oxide film resistor, is with high reliability, high stability, and flameproof. It is applied to higher power circuits of electronic devices. RSS: Small-sized metal oxide film resistors

■ 構造 CONSTRUCTION



特徵 FEATURES

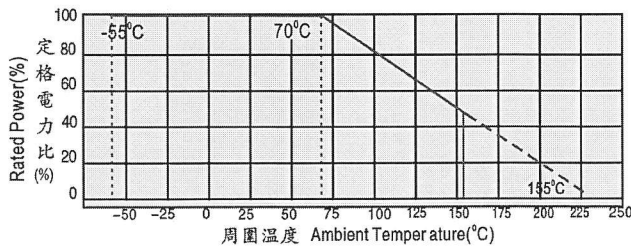
- 高電力性 High wattage
- 高穩定性、高信賴性 High stability, High reliability
- 不燃性塗裝 Flame proof painting



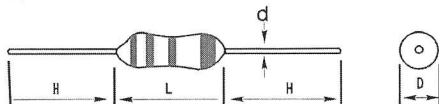
特性 CHARACTERISTICS

試驗項目 Test Items	規格值 Specified Value
溫度係數 Temp. coefficient of resistance	±350 PPM/°C
短時間過負荷 Short time overload	RSN: ±(1%+0.05Ω) RSS: ±(2%+0.1Ω)
耐電壓 Dielectric withstanding voltage	無損壞的異狀 No evidence of damage
絕緣抵抗 Insulation resistance	> 10 ¹⁰ Ω
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 700C	±(5%+0.05Ω)
溫度循環 Temperature cycling	±(1%+0.05Ω)
焊錫性 Solderability	> 95%
耐溶劑性 Solderability	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

■ 負荷輕減曲線 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	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
RSN10W	53.0±1.0	8.5±1.0	0.8±0.02	38±3	10W	800V	1500V	1200V	10Ω-200KΩ	
小型化 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

NOTE: Specification can be constructed on request.

■ 訂貨方式 HOW TO ORDER

RSS

種類 Type
Normal Size: RSN
Small Size: RSS

1/4W

預定電力 Power Rating	
Normal 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 Tolerance	
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