

金屬釉高壓電阻器

METAL GLAZE HIGH VOLTAGE RESISTORS

RLN

製品介紹 INTRODUCTION

RLN 金屬釉高壓電阻器，屬於高性能之高壓電阻器，適用於較高電壓設計之電子回路。

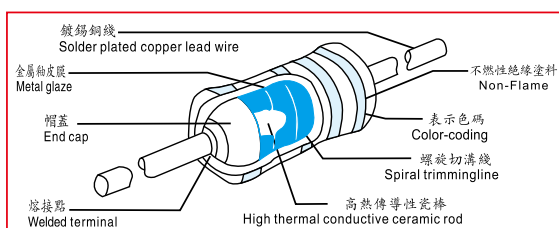
RLN, Metal glaze high voltage resistor, is a functional high-voltage resistor, which is suitable for electronic circuits that are designed to bear high voltage.

特長 FEATURES

- 高電阻值 High resistance
- 高信賴性 High reliability
- 耐电压 High Voltage



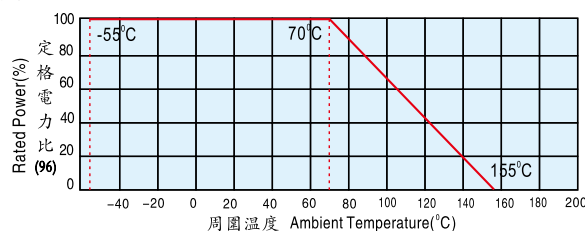
構造 CONSTRUCTION



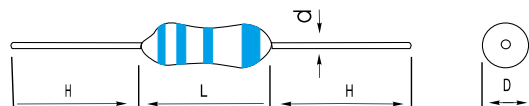
特性 CHARACTERISTICS

試驗項目 Test Items	規格值 Specified Value
溫度系數 Temp. coefficient of resistance	± 200 PPM/°C
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	Over 10 ¹⁰ MΩ
端子強度 Terminal strength	無損壞的異狀 No evidence of damage
耐久性(耐濕負荷) Moisture load life	± (5%+0.05Ω)
耐久性(定格負荷)70°C Load life at 70°C	± (5%+0.05Ω)
溫度循環 Temperature cycling	± (1%+0.05Ω)
焊錫耐熱性 Resistance to soldering heat	± (1%+0.05Ω)
焊錫附著性 Resistance to soldering heat	Over 95%
耐溶劑性 Resistance to solvent	無損壞的異狀 No evidence of damage

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					
RLN1/4W	6.5±0.5	2.3±0.3	0.43±0.02	25±3	0.25W	1000V	1500V	500V	100Ω - 10GΩ
RLN1/2W	9.0±1.0	3.2±0.5	0.50±0.02	25±3	0.5W	1500V	2000V	600V	100Ω - 10GΩ
RLN1W	12.0±1.0	4.5±0.5	0.65±0.02	25±3	1W	2500V	3000V	1000V	100Ω - 10GΩ
RLN2W	15.5±1.0	5.0±1.0	0.72±0.02	23±3	2W	3500V	5000V	1000V	100Ω - 10GΩ
RLN3W	17.5±1.0	6.0±1.0	0.72±0.02	27±3	3W	5000V	7000V	1000V	100Ω - 10GΩ
RLN5W	24.5±1.0	8.5±1.0	0.75±0.02	27±3	5W	7000V	10000V	1000V	100Ω - 10GΩ

NOTE: Specification can be constructed on request.

訂貨方式 HOW TO ORDER

RLN	1/4W	T52	J	10K
種類 Type	預定電力 Power Rating	形狀/包裝方式 Form/ Packaging	電阻值誤差率 Resistance Tolerance	公稱電阻值 Nominal Resistance
	Normal Size Small Size	S.P Bulk (Straight)	F ±1%	4-Digit: E-96, 24 Series
	1/4W 0.25W	M Bulk, M-Form series (Horizontal Forming)	G ±2%	e.g. OR12 = 0.12Ω
	1/2W 0.5W	U Buld, U-Form series (Vertical Forming)	J ±5%	120R = 120Ω
	1W 1W	Txx Boxed (26.52.63.73.83mm width taping)	K ±10%	1K2 = 1.2KΩ
	2W 2W	T/R Tape on reel packing		12K = 12KΩ
		U/T Radial Taping		12M = 12MΩ