

CURRENT SENSOR RESISTOR

RGC Series 電流偵測電阻器(RGC 系列)

FEATURES

- Compact type with safety design of non-flammability and insulation.
- Low inductance is available
- Stable long life.
- Can be produced according to customer's request.

特性

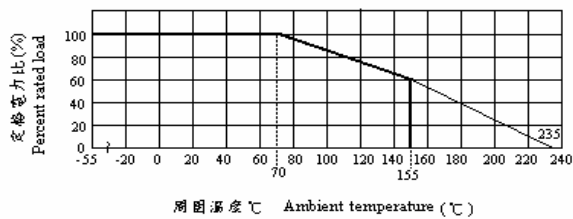
- 不燃與絕緣之安全設計。
- 可提供低電感
- 長期穩定性佳
- 可依客戶需求製作

CHARACTERISTICS

性能

ITEM 項目	SPEC. 規格	REMARKS 備註
Resistance 抵抗值	See photo	Measuring points on inner edges of 10mm 測量點在兩側 10mm
Load life under high temperature 高溫負荷壽命	±2%	Rated voltage at 70°C for 1,000 hours 額定電壓 70°C 1,000 小時
Resistance to damp heat 耐高溫高濕	±0.5%	56 days ; 40°C ; 90 to 95% RH 56 天 ; 40°C ; 90 to 95% RH
Temp. coeff. of resistance 溫度係數	±100ppm/°C	Room temp. + 100°C 室溫 + 100°C
Short time overload 短時間過負荷	±0.5%	10 times the rated power for 5 seconds 10 倍額定功率 5 秒
Temperature cycling 溫度循環	±0.5%	5 cycles for -55 ~ +155°C 5 次 -55 ~ +155°C
Resistance to soldering heat 焊錫耐熱	±0.5%	350°C for 3 seconds 350°C 3 秒
Insulation resistance 絕緣電阻	>10G	500V (DC) ; 1 minute

DERATING CURVE 額定功率下降曲線



成品照片



RATING, DIMENSIONS

額定尺寸

Model 型名	Rated Power 額定功率	Resistance Range 阻值範圍/ Tolerances 容許誤差	Maximum Working Voltage 最高使用電壓	Maximum Overload Voltage 最高過負荷電壓	Dielectric Withstanding Voltage 耐電壓	Dimensions			
						L	D φ	l	d φ
RGC 1W	1W	0.001Ω~0.1Ω (1mΩ~100mΩ) F (±1%) G (±2%) J (±5%) K (±10%)	\sqrt{PR}	$\sqrt{10PR}$	2,000V	7.0±1	φ 3.6±1	26±2	0.6±0.05
RGC 2W	2W					11.5±1	φ 4.3±1	26±2	0.6±0.05
RGC 3W	3W					12.5±1	φ 5.5±1	35±2	0.8±0.05
RGC 4W	4W					18±1	□ 7.0±1	35±2	0.8±0.05
RGC 5W	5W					22±1	□ 8.0±1	30±2	0.8±0.05
RGC 7W	7W					22±1	□ 9.0±1	30±2	0.8±0.05
RGC 9W	9W					38±1	□ 9.0±1	30±2	0.8±0.05
RGC 10W	10W					37±1	φ 10±1	30±2	0.8±0.05
RGC 20W	20W					42±1	φ 12±1	30±2	0.8±0.05