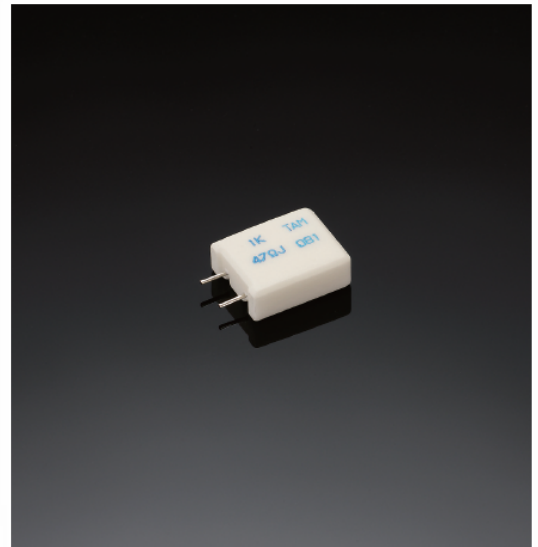


1K series Cement Resistor

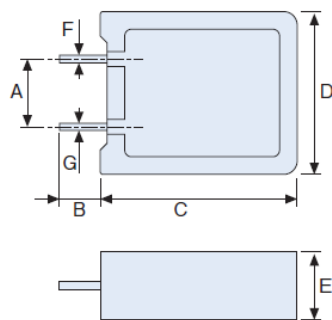
1K系列 水泥電阻器



- Cement resistor is a product that combined with 1W wire wound resistor (ceramics insulator) type.
- 1K is RoHS compliance product, non-Pb and non-Cd contains.
- Especially, 1K adopted excellent characteristic resistive element against the In-rush current, and it is the best for preventing In-rush current.
- 使用陶瓷卷芯的 1W 卷線電阻器。
- 1K 是不含鉛、鎘的產品。(RoHS 對象製品)
- 特別地採用了對突入電流有優越性能的電阻元素，最適合防止突入電流。



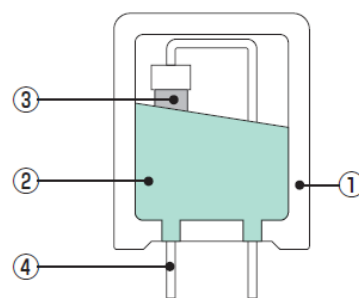
Dimension 尺寸



Unit : mm

A	5±0.5
B	32 +1, -0.5
C	14.5±0.5
D	12±0.5
E	5±0.5
F	0.58±0.04
G	0.58±0.04

Construction 構造圖



1	Ceramic case 陶瓷殼
2	Silicone cement 硅樹脂水泥
3	Resistance (Ceramic insulator) 電阻
4	Lead wire (Tin plated copper wire) 導線

Models Component 型號構成

1K



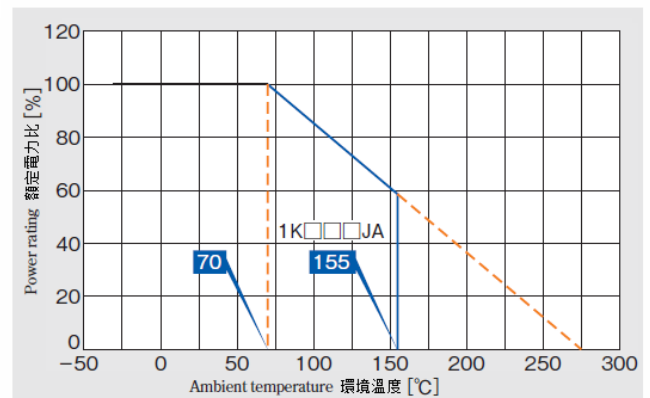
J A

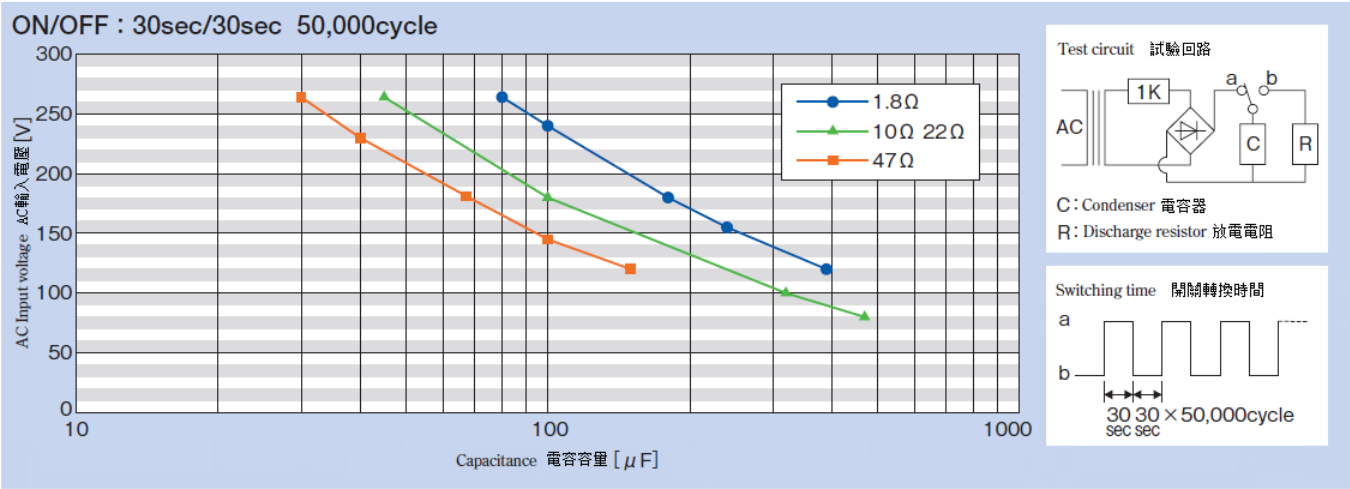
Series
系列名Nominal resistance value
額定電阻值Resistance tolerance
電阻值容許偏差 J: ±5%No Thermal-Links
無溫度保險絲

Ratings 額定

Model Name 型號	Rated power 額定電力 (25°C)	Nominal resistance value 額定電阻值	Resistance tolerance 電阻值容許偏差
1K□□□JA	1.0W	1.8~47Ω	± 5%

Derating Curve 降低負荷曲線





Performance 其他性能

Test Characteristics 切斷時間 (秒以內)	Test Methods 試驗方法			Specifications 規格
Resistance value 電阻值	The following DC voltage is applied across lead terminals for measurements. 導線端子間施加下表的直流電壓進行測定。			Resistance shall be within ±5% of nominal resistance value. 在±5%以內
	Nominal resistance range 額定電阻值範圍		Max. applied Voltage 最高承受電壓	
	1 and over 1 以上	less than 10 10 未滿	0.3	
	10 and over 10 以上	less than 100 100 未滿	1	
Insulation resistance 絕緣電阻	Between body and lead terminals 主體、導線端子間	DC500V is impressed and measured between metallic foil wrapped on the case, and lead terminals. 在水泥殼上的金屬箔與導線端子間施加 DC500V 進行測定。		Insulation resistance shall be 1000MΩ or above. 在 1000MΩ以上
Dielectric strength 耐電壓	Between body and lead terminals 主體、導線端子間	AC1.5kV is impressed for 1 minute and measured between metallic foil wrapped on the case, and lead terminals. (Cutoff current 0.5mA) 在水泥殼上的金屬箔與導線端子間施加 AC1.5kV 進行 1 分鐘測定。(檢測電流 0.5mA)		The products shall withstand for 1 minute. 能承受 1 分鐘
Temperature coefficient of resistance 電阻溫度系數	Room temperature / 70°C up 室溫 / 70°C 以上			±250ppm/°C
Short time overload 短時間過負荷	Rated power x 10, for 5 sec. 額定電力×10 倍，承受 5 秒鐘			±(2%+0.05Ω)
Terminal strength 端子強度	Pull: 20N, 1 min. Bending: 90°C, 1 cycle 拉力：20N，1 分鐘 扭曲：90°C，1 週期			No mechanical damages 無斷線、鬆動、破損
Humidity resistance 耐濕性	40°C, Humidity 90~95%RH, 10000 hours 40°C，濕度 90~95%RH，10000 小時			±(2%+0.05Ω)
Load life 負荷壽命特性	Rating load 1000 hours, 1.5 hours ON / 0.5 hours OFF cycle 額定負荷 1000 小時，1.5 小時開/0.5 小時關的週期			±(3%+0.05Ω)