

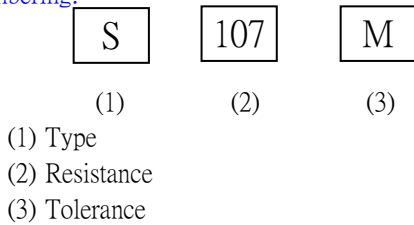
THICK FILM HIGH VOLTAGE RESISTOR - HV SERIES



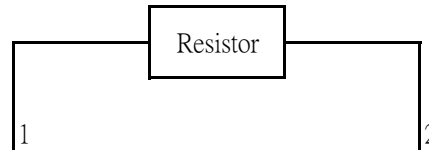
Feature:

- (1) Miniature and light weight
- (2) Stable electrical capability, high
- (3) Max. Operating Voltage 10KV(DC)
- (4) Application Micro-wave oven and so on.

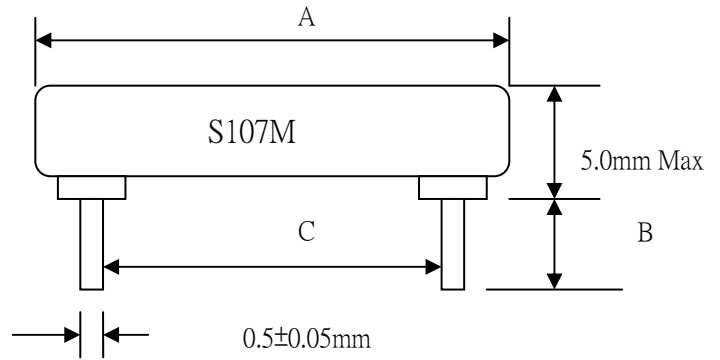
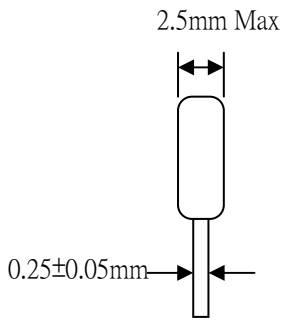
Part Numbering:



Circuite Construction and Characteristics



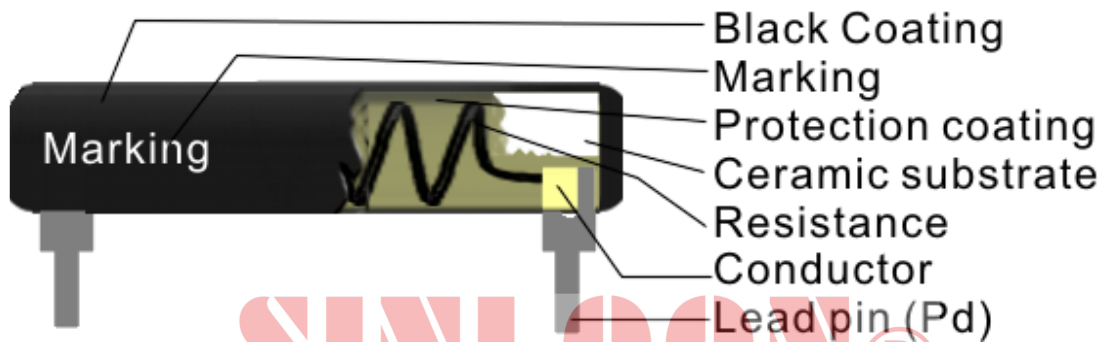
Dimension: (mm)



Type	A (Max)	B (Max)	C (Max)	Marking
S107M	20.2mm	3.5±0.5mm	17.8±0.3mm	S107M
HV107M	32.0mm	4.5±0.5mm	27.9±0.5mm	HV107M

Resistance			
Marking	Resistor	Marking	Resistor
101 =	100 Ω	105 =	1M Ω
102 =	1K Ω	106 =	10M Ω
103 =	10K Ω	107 =	100M Ω
104 =	100K Ω	108 =	1G Ω

Shape Dimensions



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Derating Curve:

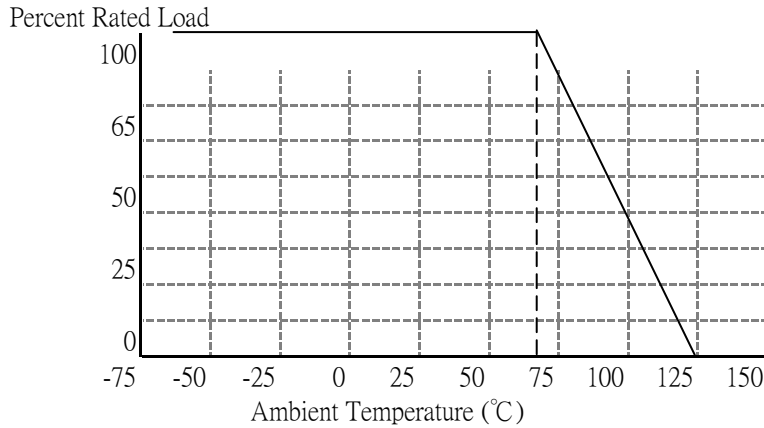


Fig (1)

Operating Temperature Range -55°C ~ 125°C

Ratings

Item:	Specification
Rated Power	V when the ambient temperature exceed 70, the load power should be reduced as in Fig
Rated Voltage	$E=\sqrt{P \times R}$ E = Voltage P = Power R = Resistance (Ω)
Max Operating Voltage:	10K V

Electric Characteristic:

Item	Standard	Test method (JIS C 5202)
Resistance value	100M Ω ±20%	T: 25± 2°C RH ≤ 65%
TCR	±250ppm/°C	Measured between - 55°C ~ 125°C
Coating Insulation With Standing Volta	No are, inflammation and damage	Apply 500V DC for 1 min
Solderability	Coverage area ≥95%	Tem: 235±5°C, Time 2 ±0.5s
Resistance solvent	No mechanical damage	Dipping in chloroethylenef solution for 10±1h, solution temperature: 23±2°C
Resistance to inflammation	V-0	VL-94

Mechanical Characteristic

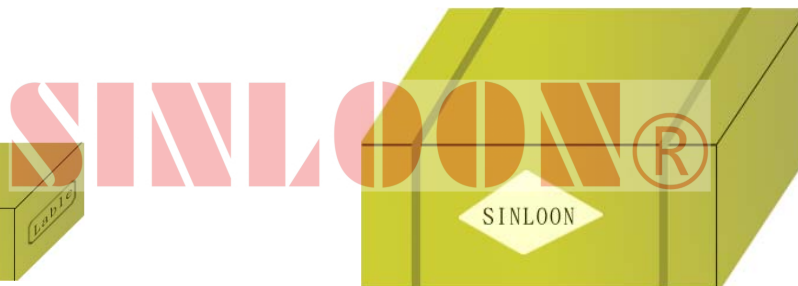
Pin strength	Good appearance & no break and defec in resistance	Speed: 10mm/s. pull: 1.0kg.
Bending strength	No mechanical damage	Force with 0.5kg on the terminal pin, between the resistor and the terminal pin in 90 degree, duration :5S for 1 cycle, total 2 cycles.
Vibration	$\Delta R \leq \pm(1.0\% + 0.05 \Omega)$	10Hz to 55Hz to 10Hz within 1 min, Swing : 1.55mm, three direction for X, Y, Z for 2 hours .

Packing:

500 pcs / Box
25 Box / Carton.



In Box



Carton Case