SOCAY

Power Thermistor for Limiting Inrush Current (NTC Thermistor)

MF72-SCN1.5D-7

Features

- RoHS & Halogen Free (HF) compliant
- Body size: Φ7mm
- Radial lead resin coated
- High power rating
- Wide resistance range
- Cost effective
- Operating temperature range: -40~+200℃
- Agency recognition: UL /cUL/RoHS

Recommended Applications

- Switch mode power supply
- Electric motor
- Transformer
- Adapter
- Projector
- Halogen lamp
- LED driver circuit

Storage Conditions of Products

- Storage Conditions:

  Storage Temperature: -10℃ ~ +40℃.

  Relative Humidity: ≤ 75%RH.

  Keep away from corrosive atmosphere and sunlight.
- Period of Storage: 1 year.

Part Number Code

MF72	-	SCN	1.5D	-	7
(1)		(2)	(3)		(4)

(1) MF72: MF72 Series.

(2) SCN: Socay NTC.

(3) 1.5D: Zero Power Resistance at 25℃(R_{25}): 1.5 = 1.5Ω.

(4) Body Size: 7=Φ7mm.

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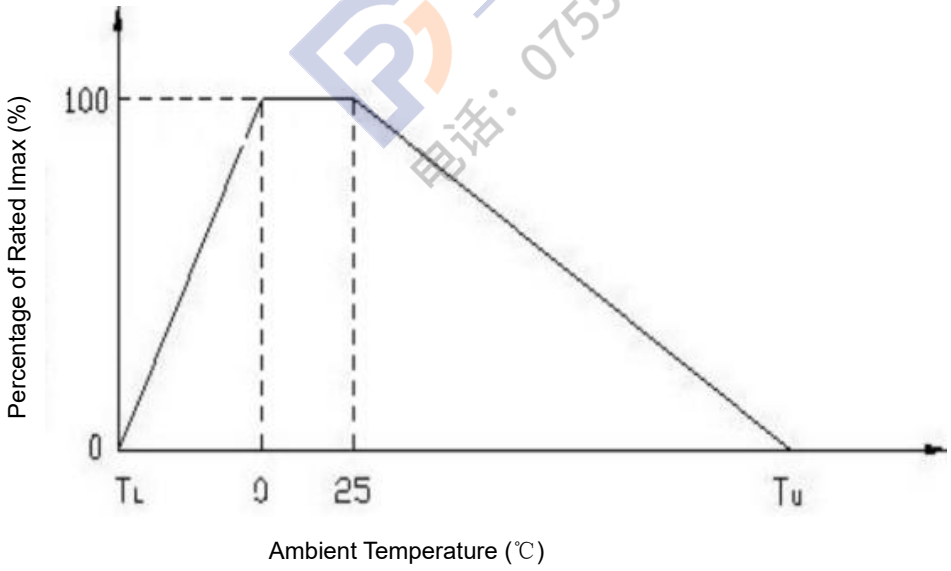
Electrical Characteristics

Part Number	Resistance at 25℃ ±20%	Max. Permissible Working Current	Dissipation Factor	Thermal Time Constant	Maximum permissible capacitance @240Vac	B Value (±10%)
	R_{25}(Ω)	I_{max}(A)	δ(mW/℃)	τ(Sec.)	C(μF)	K
MF72-SCN1.5D-7	1.5	4	12	25	100	2600

Maximum Current Derating (I/Imax)



Remarks: T_L = *Lowest temperature (℃)*

T_U = *Maximum temperature (℃)*

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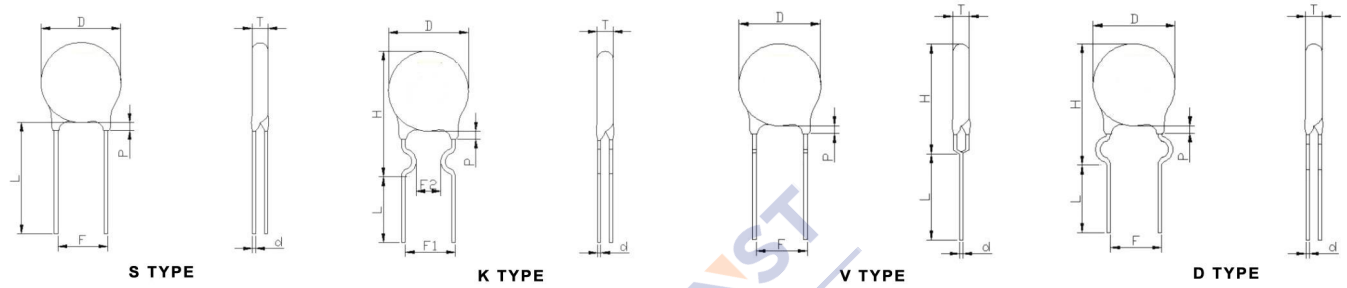
Structure and Dimensions (Unit: mm)



D max	T max	P max	F	L min	d
9.0	5.5	3.5	5±1.0	17	0.6±0.05

Note: Length of Pin (L) can be customized.

Packing Specifiction

Part Number	Quantity (pcs/bag)
MF72-SCN1.5D-7	1000

Reliability

Item	Test conditions / Methods	Test Result
Tensile Strength of Terminals	Fasten body with a Load Applied to each lead 3.0Kg for 1sec.	No break out and damage
Bending Strength of Terminals	Fixed body hand 1.0kg on one terminal bend 90 then back again oppsite.	No break out and damage
Solder Ability	When the Lead wire was dipped into bath 0f 235 ± 5 ℃ for 3 seconds after immersion in 25% rosin flux the solder ability ratio of lead wire surface should more than 95%.	More than 95% solder ability
Temp. Cycle Test	(-40℃×→+25℃×3min) × 5Cycles (-85℃×→+25℃×3min) × 5Cycles	|ΔR/R| ≤ ±20 %
Humidity Test	45℃ 95%RH×1000 hours	|ΔR/R| ≤ ±20 %
Load Life	6 AMP×1000 hours	|ΔR/R| ≤ ±20 %
Insulation Test	DC 700V	R≥500MΩ

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Warning

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