



78μF 2A I_{max} NTC Thermistor MF72-SCN5D-7 Radial Lead Resin Coated

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: UL, REACH, RoHS, ISO
- Model Number: MF72-SCN5D-7
- Minimum Order Quantity: 1000PCS / 500PCS
- Price: Negotiable
- Packaging Details: bulk
- Delivery Time: 5-8 work days



Product Specification

- Product Name: NTC Thermistor
- Package Type: Φ7mm
- R25: 5Ω
- I_{max}: 2A
- Resistance Under Load: 283mΩ
- δ: 10mW/
- τ: 30 Secs.
- C: 78μF
- Storage Temperature Range: -10 To +40
- Highlight: 78μF NTC Thermistor, 2A I_{max} NTC Thermistor



More Images



Product Description

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DATASHEET: [MF72-SCN5D-7_v2105.1.pdf](#)

Part Number	Resistance at 25 $\pm 20\%$	Max. Permissible Working Current	Resistance under Load (m Ω)	Dissipation Factor	Thermal Time Constant	Maximum permissible capacitance @240Vac
	R ₂₅ (Ω)	I _{max} (A)	(m Ω)	δ (mW/)	τ (Sec.)	C(uF)
MF72-SCN5D-7	5	2	283	10	30	78



About NTC

The working principle of NTC thermistor is: when the temperature rises, the free electrons and holes in the thermosensitive material increase, causing the electron concentration within the material to increase, so the conductivity also increases. Since resistance and conductivity are related, resistance decreases as temperature increases.

The functions of NTC thermistor mainly include the following aspects

1. Temperature measurement and control: NTC thermistors can be used to measure and control the temperature of various devices and systems, such as car engines, solar panels, refrigerators, ovens, etc.
2. Electronic circuit protection: NTC thermistors can be used for overcurrent, overvoltage, overheating and other protection of electronic circuits, such as power supplies, motor drivers, UPS and other equipment.
3. Environmental monitoring: NTC thermistors can be used to monitor indoor and outdoor environmental temperatures, such as greenhouses, weather stations, etc.
4. Medical equipment: NTC thermistors can be used in medical equipment, such as blood glucose meters, thermometers, etc.
5. Wearable devices: NTC thermistors can be used in wearable devices, such as smart bracelets, smart watches, etc., to measure physiological parameters such as human body temperature and heart rate.

Features:

RoHS & Halogen Free (HF) compliant
 Body size: $\phi 7$ mm
 Radial lead resin coated
 High power rating
 Wide resistance range
 Cost effective
 Operating temperature range: -40~+200
 Agency recognition: UL /cUL/RoHS

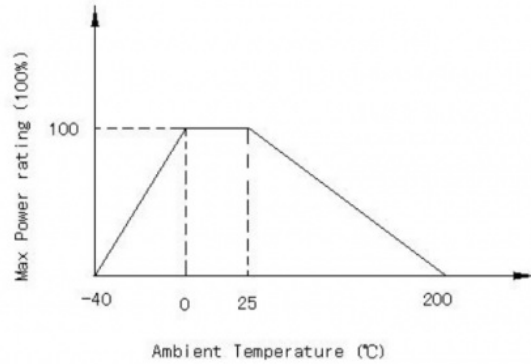
Part Number Code

MF72 **SCN** **5D** - **7**

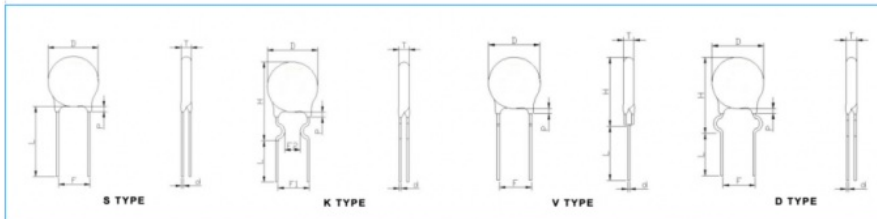
(1) (2) (3) (4)

- (1) MF72: MF72 Series.
 (2) SCN: Socay NTC.
 (3) 5D: Zero Power Resistance at 25℃(R₂₅): 5=5Ω.
 (4) Body Size: 7=Φ7mm.

Maximum Power Rating (Pmax)



Structure and Dimensions (Unit: mm)



D max	T max	P max	F	H	L _{short} /L _{long}	d	Type
8.0	4.5	3.0	5±0.5	--	7±1/20±1	0.55	S
8.0	4.5	3.0	5±0.5	14.5±1	4±1/20±1	0.55	K/V/D

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

Part Number	Type of L	Quantity (pcs/bag)
MF72-SCN5D-7	L _{short}	1000
	L _{long}	500

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 of 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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