



## MF72-SCN10D-9 Negative Temperature Coefficient Thermistor For Transformer Adapter

Our Product Introduction

### Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: UL, REACH, RoHS, ISO
- Model Number: MF72-SCN10D-9
- Minimum Order Quantity: 1000PCS / 500PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



### Product Specification

- Product Name: NTC Thermistor
- Package Type:  $\Phi 9\text{mm}$
- R25:  $10\Omega$
- I<sub>max</sub>: 2A
- Resistance Under Load:  $458\text{m}\Omega$
- $\delta$ :  $11\text{mW/}$
- $\tau$ : 32 Secs.
- C:  $110\mu\text{F}$
- Storage Temperature Range:  $-10\text{ To }+40$
- Highlight: Transformer Negative Temperature Coefficient Thermistor  
, Adapter Negative Temperature Coefficient Thermistor



### More Images



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## Product Description

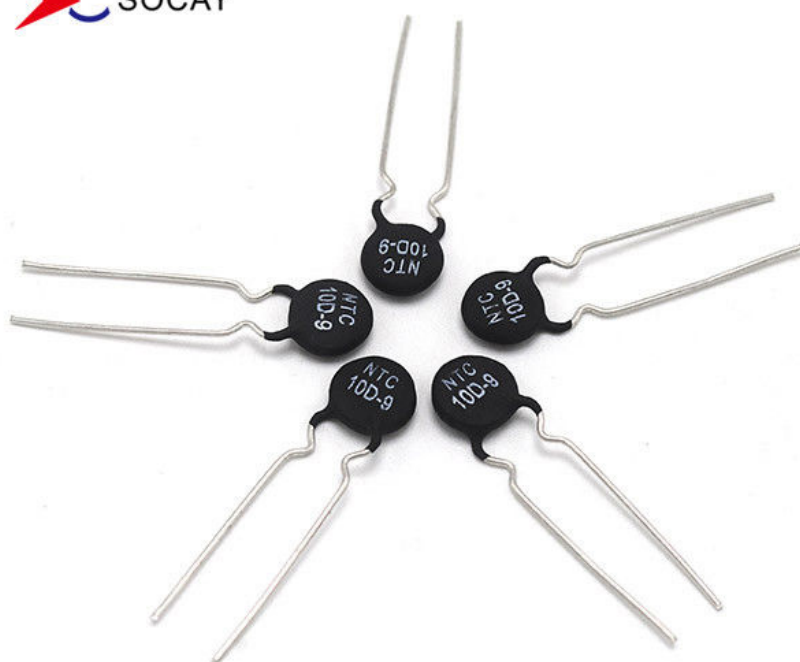
Socay NTC MF72 Series MF72-SCN10D-9 Power Thermistor Suitable for Transformer/Adapter/Projector

**DATASHEET:** [MF72-SCN10D-9\\_v2105.1.pdf](#)

Part Number	Resistance at 25 ±20%	Max. Permissible Working Current	Resistance under Load (mΩ)	Dissipation Factor	Thermal Time Constant	Maximum permissible capacitance @240Vac
	$R_{25}(\Omega)$	$I_{max}(A)$	(mΩ)	$\delta(mW/)$	$\tau(Sec.)$	C(uF)
MF72-SCN10D-9	10	2	458	11	32	110

### Main Material

Connected in series on the circuit, at room temperature, NTC resistance value is large, in the moment the circuit is connected, can play a current limiting role; when the circuit works normally, NTC due to the temperature rise caused by passing current, at this time the resistance value drops, will not affect the normal operation of the circuit.



### Features:

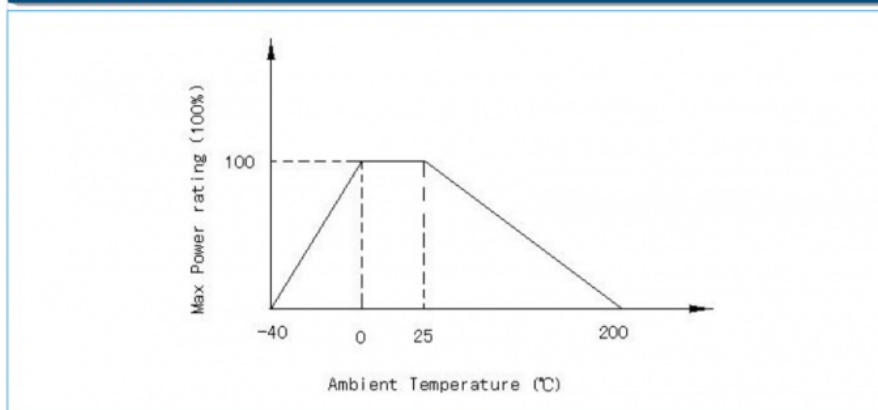
RoHS & Halogen Free (HF) compliant  
 Body size:  $\phi 9mm$   
 Radial lead resin coated  
 High power rating  
 Wide resistance range  
 Cost effective  
 Operating temperature range:  $-40 \sim +200$   
 Agency recognition: UL /cUL/RoHS

### Storage Conditions of Products:

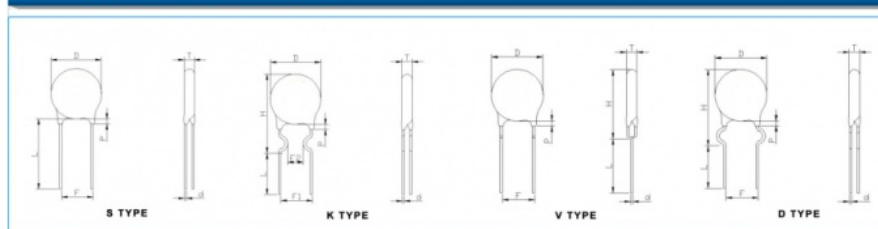
u Storage Conditions:  
 Storage Temperature:  $-10 \sim +40$  .  
 Relative Humidity:  $\leq 75\%RH$ .  
 Keep away from corrosive atmosphere and sunlight.  
 u Period of Storage: 1 year.

Part Number Code			
<b>MF72</b>	<b>SCN</b>	<b>10D</b>	<b>- 9</b>
(1)	(2)	(3)	(4)
(1) MF72: MF72 Series. (2) SCN: Socay NTC. (3) 10D: Zero Power Resistance at 25℃(R <sub>25</sub> ):10=10Ω. (4) Body Size: 9=Φ9mm.			

#### Maximum Power Rating (Pmax)



#### Structure and Dimensions (Unit: mm)



D max	T max	P max	F	H	L <sub>short</sub> /L <sub>long</sub>	d	Type
10.5	5.5	3.0	7.5±0.5	--	7±1/20±1	0.75	S
10.5	5.5	3.0	7.5±0.5	16.5±1	4±1/20±1	0.75	K/V/D

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

Part Number	Type of L	Quantity (pcs/bag)
MF72-SCN10D-9	L <sub>short</sub>	1000
	L <sub>long</sub>	500

Item	Test conditions / Methods	Test Result
<b>Tensile Strength of Terminals</b>	Fasten body with a Load Applied to each lead 3.0Kg for 1sec.	No break out and damage
<b>Bending Strength of Terminals</b>	Fixed body hand 1.0kg on one terminal bend 90 then back again oppsite.	No break out and damage
<b>Solder Ability</b>	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
<b>Temp. Cycle Test</b>	(-40 × → +25 × 3min) × 5Cycles (-85 × → +25 × 3min) × 5Cycles	ΔR/R  ≤ ±20 %
<b>Humidity Test</b>	45 95%RH×1000 hours	ΔR/R  ≤ ±20 %
<b>Load Life</b>	6 AMP×1000 hours	ΔR/R  ≤ ±20 %
<b>Insulation Test</b>	DC 700V	R≥500MΩ

#### NTC Working Principle

Connected in series on the circuit, at room temperature, NTC resistance value is large, in the moment the circuit is connected, can play a current limiting role; when the circuit works normally, NTC due to the temperature rise caused by passing current, at

this time the resistance value drops, will not affect the normal operation of the circuit.



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