



## Radial Lead Resin Coated NTC Thermistor MF72-SCN10D-11 3A I<sub>max</sub> Wide Resistance Range

Our Product Introduction

### Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: UL, REACH, RoHS, ISO
- Model Number: MF72-SCN10D-11
- Minimum Order Quantity: 1000PCS / 500PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



### Product Specification

- Product Name: NTC Thermistor
- Package Type:  $\Phi 11\text{mm}$
- R25:  $10\Omega$
- I<sub>max</sub>: 3A
- Resistance Under Load:  $275\text{m}\Omega$
- $\delta$ :  $14\text{mW/}$
- $\tau$ : 47 Secs.
- Storage Temperature Range: -10 To +40
- Highlight: Radial Lead NTC Thermistor,  
Resin Coated NTC Thermistor, NTC 10D-11



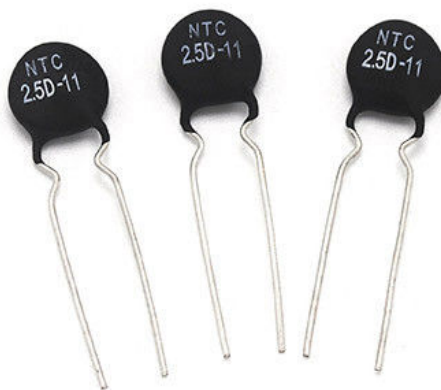
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## Product Description

SOCAY Radial Lead Resin Coated NTC Thermistor MF72-SCN10D-11 Operating Temperature Range -40~+200

**DATASHEET:** [MF72-SCN10D-11\\_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)	$\delta(mW/)$	$\tau(Sec.)$	$C(\mu F)$
MF72-SCN10D-11	10	3	275	14	47	220



### Classification

DIP:5Φ~25Φ

Current:0.3A~20A

PPTC:Positive temperature coefficient

NTC:Negative temperature coefficient,  
collectively referred to as thermistors.

### Applications:

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

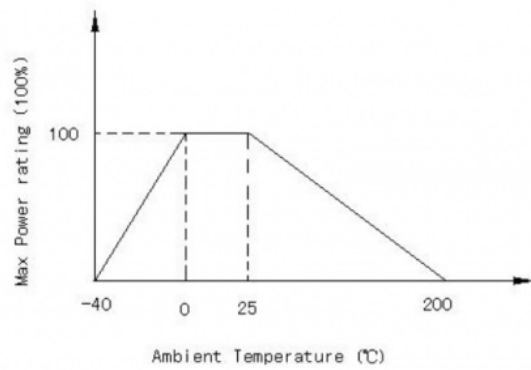
# Part Number Code

**MF72    SCN    10D   -   11**

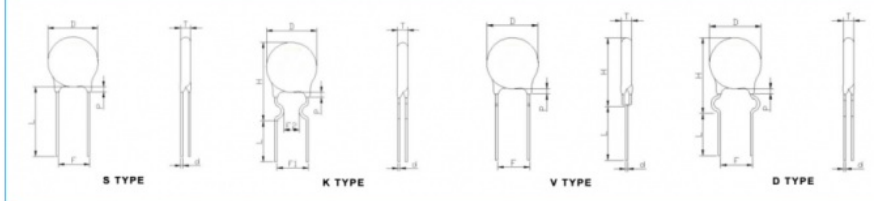
(1)                      (2)                      (3)                      (4)

- (1) MF72: MF72 Series.  
(2) SCN: Socay NTC.  
(3) 10D: Zero Power Resistance at 25℃(R<sub>25</sub>):10=10Ω.  
(4) Body Size: 11=Φ11mm.

## Maximum Power Rating (Pmax)



## Structure and Dimensions (Unit: mm)



D max	T max	P max	F	H	L short/L long	d	Type
12.5	5.5	3.0	7.5±0.5	—	7±1/20±1	0.75	S
12.5	5.5	3.0	7.5±0.5	17.5±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-11	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

We are manufacturer and supplier with over 20 years experience for passive components as below

- 1- ESD
- 2- TVS Diodes

- 3- PPTC Resettable Fuse
- 4- Gas Discharge Tube
- 5- NTC Themistor
- 6- Varistor,etc.



+8618126201429



sylvia@socay.com



socaydiode.com

4/F, Block C, HeHengXing Science & Technology Park, 19 MinQing Road, LongHua District, Shenzhen City,  
GuangDong Province, China