



## SOCAY Power NTC Thermistor MF72-SCN2.5D-11 2.5Ω I<sub>max</sub> Wide Resistance Range

Our Product Introduction

for more products please visit us on [socaydiode.com](http://socaydiode.com)

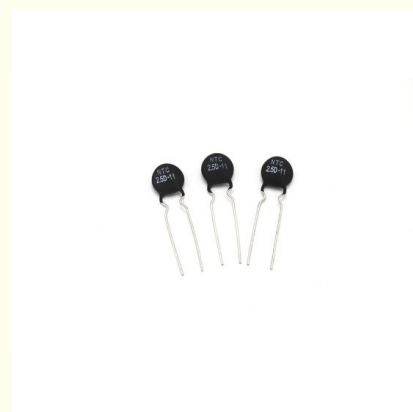
### Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: UL, REACH, RoHS, ISO
- Model Number: MF72-SCN2.5D-11
- Minimum Order Quantity: 1000PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



### Product Specification

- Product Name: NTC Thermistor
- Package Type: Φ11mm
- NTC R25: 2.5Ω
- I<sub>max</sub> A : 5A
- Resistance Under Load: 95mΩ
- δ W/ : 13m
- τ Secs. : 43
- Capacitance: 220 μF



### More Images



## Product Description

### SOCAY Power NTC Thermistor MF72-SCN2.5D-11 2.5Ω I<sub>max</sub> Wide Resistance Range

**DATASHEET:** [MF72-SCN2.5D-11\\_v2105.1.pdf](#)

#### Classification

RoHS & Halogen Free (HF) compliant  
 Body size: Φ11mm  
 Radial lead resin coating  
 High rated power  
 Wide resistance range  
 Cost effectiveness  
 Operating temperature range: -40~+200  
 Certificate: UL /cUL/RoHS

#### Applications:

Switch mode power supply  
 Power operated  
 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

#### Electrical Characteristics

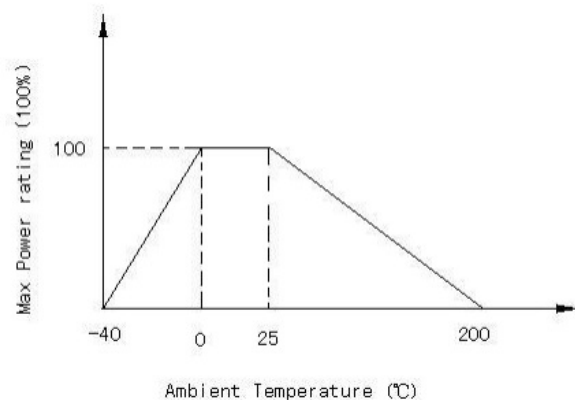
Part Number	Resistance at 25 ±20%	Max. Permissible Working Current	Resistance under Load (mΩ)	Dissipation Factor	Thermal Time Constant	Maximum permissible capacitance @240Vac
	R25(Ω)	I <sub>max</sub> (A)	(mΩ)	δ(mW/ )	τ(Sec.)	C(μF)
MF72-SCN2.5D-11	2.5	5	95	13	43	220

#### Part Number Code

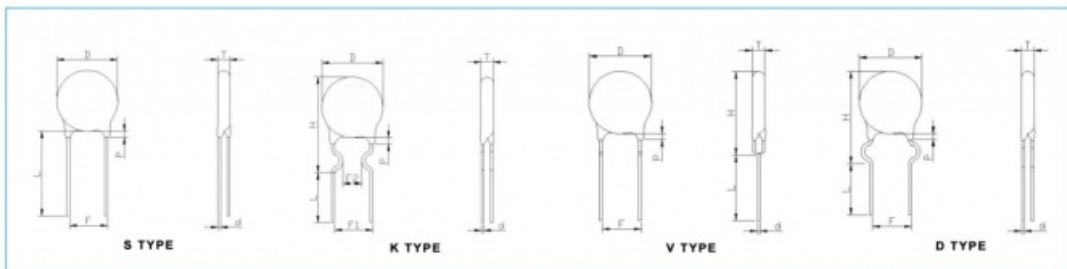
MF72	SCN	2.5D	- 11
(1)	(2)	(3)	(4)

- (1) MF72: MF72 Series.  
 (2) SCN: Socay NTC.  
 (3) 2.5D: Zero Power Resistance at 25 (R25): 2.5=2.5Ω.  
 (4) Body Size: 11=Φ11mm.

#### Maximum Power



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



D max	T max	P max	F	H	L <sub>short</sub> /L <sub>long</sub>	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

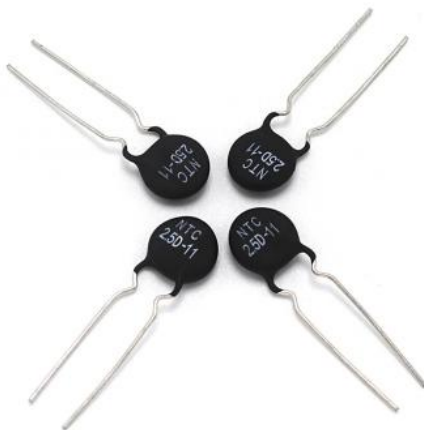
Note: Length of Pin (L) can be customized.

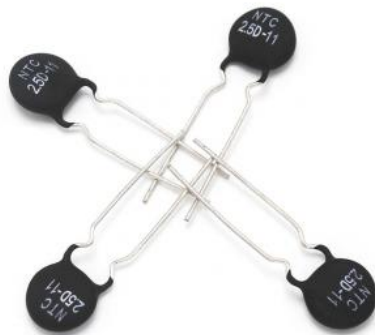
#### Packing Specification

Part Number	Type of L	Quantity (pcs/bag)
MF72-SCN10D-11	Lshort	1000
	Llong	500

#### Reliability

Item	Test conditions / Metho	Test Result
Tensile Strength of Terminals	Fasten body with a Load Applied to each lead 3.0Kg	No break out and
Bending Strength of Terminals	Fixed body hand 1.0kg on one terminal bend 90 then back again oppsit.	No break out and
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
Temp. Cycle Test	-40 × → +25 × 3min) × 5Cycles (-85 × → +25 × 3min)	ΔR/R  ≤ ±20 %
Humidity Test	45 95%RH×1000 hou	ΔR/R  ≤ ±20 %
Load Life	6 AMP×1000 hour	ΔR/R  ≤ ±20 %
Insulation Test	DC 700	R≥500M Ω





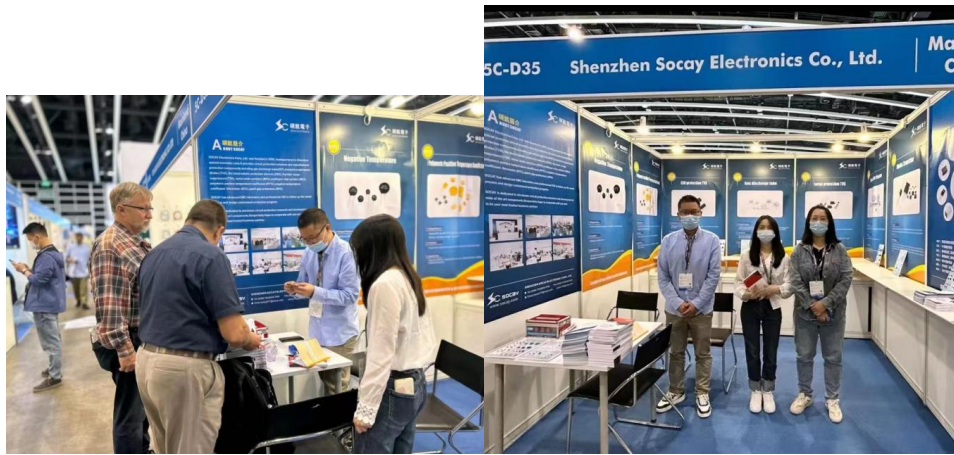
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#### Company Profile

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 Thermistor
- 6- Varistor,etc.





## FAQ

Q: May we get some samples?

A: Of course, samples are available.

Q: What is product lead time?

For GDT, TVS, and ESD, the lead time will 1-2 weeks. For TSS, MOV, MLV, NTC, and PPTC, the lead time 2-3 weeks. According your specific requirements, we will further confirm the accurate lead time.

Q: Do you support customization?

A: Yes, we do.

**Please feel free to contact us if you have any question.**

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