



## SOCAY Power NTC Thermistor MF72-SCN10D-5 10Ω 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-SCN10D-5
- Minimum Order Quantity: 2000PCS
- Price: Negotiable
- Packaging Details: Bulk
- Delivery Time: 5-8 work days



### Product Specification

- Product Name: NTC Thermistor
- Package Type: Φ5mm
- NTC R25: 10Ω
- I<sub>max</sub> A : 0.7A
- Resistance Under Load: 771mΩ
- δ mW/ : 6mW/
- τ Secs. : 20Secs.
- Capacitance: 47μF



### More Images



## Product Description

### SOCAY Power NTC Thermistor MF72-SCN10D-5 10Ω I<sub>max</sub> Wide Resistance Range

**DATASHEET:** [MF72-SCN10D-5.pdf](#)

#### Features:

RoHS & Halogen Free (HF) compliant  
 Body size: Φ5mm  
 Radial lead resin coated  
 High power rating  
 Wide resistance range  
 Cost effective  
 Operating temperature range: -40~+200  
 Certificate: UL /cUL/RoHS

#### Utilize:

Switch mode power supply  
 Power operated  
 Transformer  
 Adapter  
 Projector  
 Halogen lamp  
 LED driver circuit

#### Product storage conditions:

Storage Conditions:  
 Storage Temperature: -10 ~ +40 .  
 Relative Humidity: ≤ 75%RH.  
 Keep away from corrosive atmosphere and sunlight.

Period of Storage: 1 year

#### Electrical characteristics:

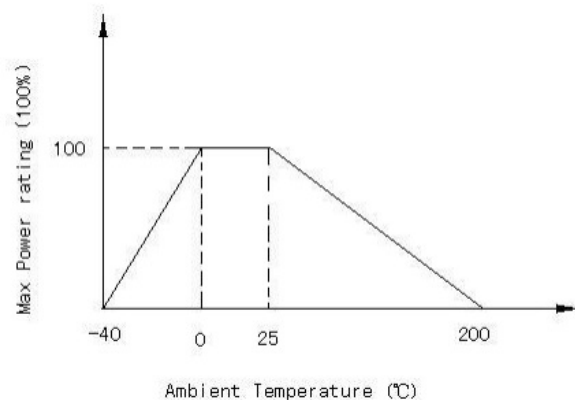
Part No.	Resistance at 25 ±20%	Max. Permissible Working Current	Resistance under Load (mΩ)	Dissipation Factor	Thermal Time Constant	Maximum permissible capacitance @240Vac
	R25(Ω)	I <sub>max</sub> (A)	(mΩ)	δ(mW/ )	τ(Sec.)	C(μF)
MF72-SCN2.5D-13	10	0.7	771	6	20	47

#### Part No. Code:

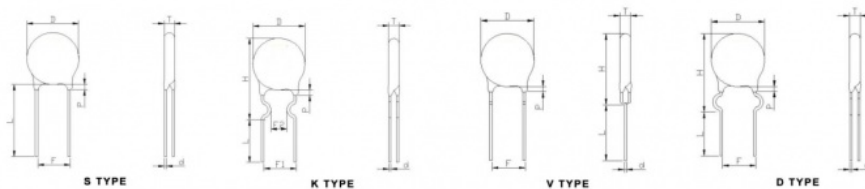
<b>MF72</b>	<b>SCN</b>	<b>10D</b>	<b>- 5</b>
(1)	(2)	(3)	(4)

- (1) MF72: MF72 Series.  
 (2) SCN: Socay NTC.  
 (3) 2.5D: Zero Power Resistance at 25 (R25): 10=10Ω.  
 (4) Body Size: 5=Φ5mm.

#### Maximum Power



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



D max	T max	P max	F	H	Lshort / Long	d	Type
6	4	4	35±0.5	--	7±1/20±1	0.55	S
6	4	4	35±0.5	10±1	4±1/20±1	0.55	K/V/D

#### Packing:

Part Number	Type of L	Quantity (pcs/bag)
MF72-SCN10D-5	Lshort	2000
	Llong	1000

#### Dependability:

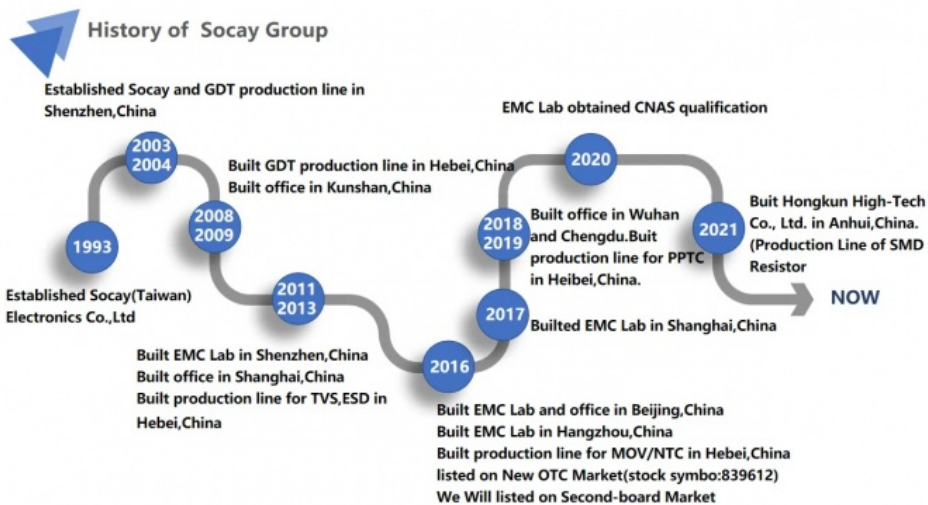
Item	Test conditions / Methods	Test Result
<b>Tensile Strength of Terminals</b>	Fasten body with a Load Applied to each lead 3.0Kg for 1sec.	No break out and damage
<b>Bending Strength of Terminals</b>	Fixed body hand 1.0kg on one terminal bend 90 then back again oppsite.	No break out and damage
<b>Solder Ability</b>	When the Lead wire was dipped into bath Of 235 ± 5 °C 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



#### Company Profile:

We are a manufacturer and supplier with over 20 years of experience in electronic components, as shown below,

- 1- ESD
- 2- TVS Diodes
- 3- PPTC Resettable Fuse
- 4- Gas Discharge Tube
- 5- NTC Themistor
- 6- Varistor,etc.







5 invention patents

42 utility model patents

16 Design patent

## 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: Of course, We do.

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

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### Other hot product



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