



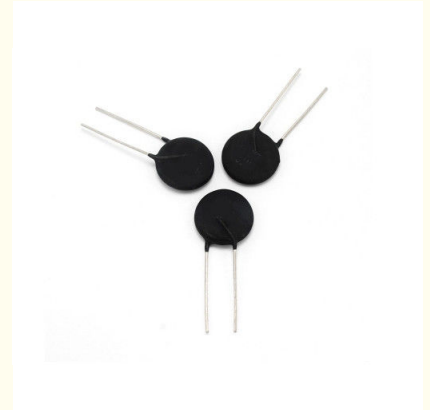
## SOCAY Temperature Senso Power NTC Thermistor MF72-SC16D-9 16Ω 9mm Wide Resistance Range

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-SCN16D-9
- Minimum Order Quantity: 500
- Price: USD0.01-0.25/piece
- Packaging Details: Bulk
- Delivery Time: 5-8 work days
- Payment Terms: T/T, Western Union, MoneyGram



### Product Specification

- Product Name: NTC Thermistor
- Package Type: Φ9mm
- NTC R25: 16Ω
- I<sub>max</sub> A : 1A
- Resistance Under Load: 802mΩ
- δ mW/ : 11mW/
- τ Secs. : 31Secs.
- Capacitance: 110μF



### More Images



## Product Description

### SOCAY Power NTC Thermistor MF72-SCN16D-9 16Ω 9mm Wide Resistance Range

**DATASHEET:** [MF72-SCN16D-9\\_v2105.1.pdf](#)

#### Features:

Operating temperature range: -40~+200 .  
Wide resistance range.  
High power rating.  
Radial lead resin coated.  
Body size: Φ5mm.  
Cost effective.

#### Applications:

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

#### 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.

#### Part Number Code:

MF72 SCN 2.5D - 9

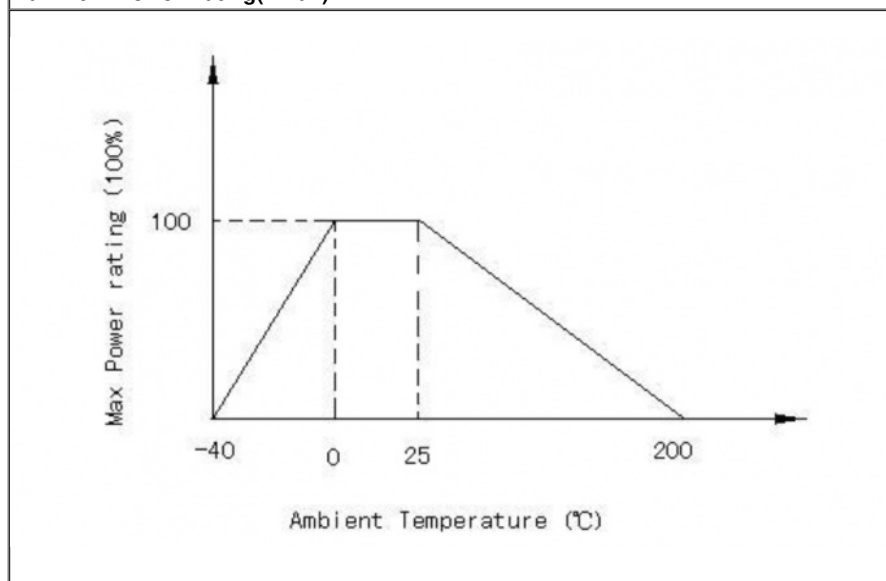
(1) (2) (3) (4)

- (1) MF72: MF72 Series.  
(2) SCN: Socay NTC.  
(3) 16D: Zero Power Resistance at 25 (R25).  
(4) Body Size: 9=Φ9mm.

#### Electrical Characteristics

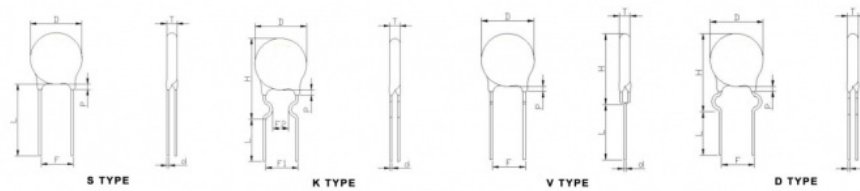
Resistance at 25 ±20%	R25(Ω)	2.5(Ω)
Max. Permissible Working Current	I <sub>max</sub> (A)	4A
Resistance under Load (mΩ)	(mΩ)	128mΩ
Dissipation Factor	δ(mW/ )	11mW/
Thermal Time Constant	τ(Sec.)	35Sec.
permissible capacitance @240Vac	C(uF)	110uF

#### Maximum Power Rating(P<sub>max</sub>)



#### MF72-SCN2.5D-9 Packing Specification

MF72-SCN2.5D-9 Packing Specification	Quantity (pcs/bag)
L short	1000

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

D max	T max	P max	F	H	Lshort/Llong	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

**Reliability**

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 $235 \pm 5^{\circ}\text{C}$ 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>	$(-40^{\circ}\text{C} \times \rightarrow +25^{\circ}\text{C} \times 3\text{min}) \times 5\text{Cycles}$ $(-85^{\circ}\text{C} \times \rightarrow +25^{\circ}\text{C} \times 3\text{min}) \times 5\text{Cycles}$	$ \Delta R/R  \leq \pm 20\%$
<b>Humidity Test</b>	$45^{\circ}\text{C}$ 95%RH×1000 hours	$ \Delta R/R  \leq \pm 20\%$
<b>Load Life</b>	6 AMP×1000 hours	$ \Delta R/R  \leq \pm 20\%$
<b>Insulation Test</b>	DC 700V	$R \geq 500\text{M}\Omega$

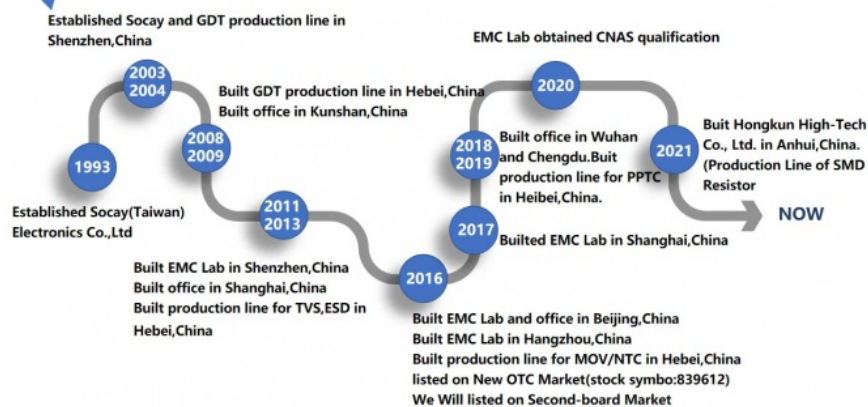
**Product Pictures:**



**Company Profile:**



## History of Socay Group



5 invention patents

42 utility model patents

16 Design patent







#### Logistics services:



#### 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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