



## SOCAY Temperature Senso Power NTC Thermistor MF72-SCN8D-7 8Ω 7mm 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-SCN8D-7
- Minimum Order Quantity: 1000
- 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: Φ7mm
- NTC R25: 8Ω
- I<sub>max</sub> A : 1A
- Resistance Under Load: 539mΩ
- δ mW/ : 9mW/
- τ Secs. : 28Secs.
- Capacitance: 78μF



### More Images



## Product Description

### SOCAY Power NTC Thermistor MF72-SCN8D-7 8Ω 7mm Wide Resistance Range

**DATASHEET:** [MF72-SCN8D-7\\_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

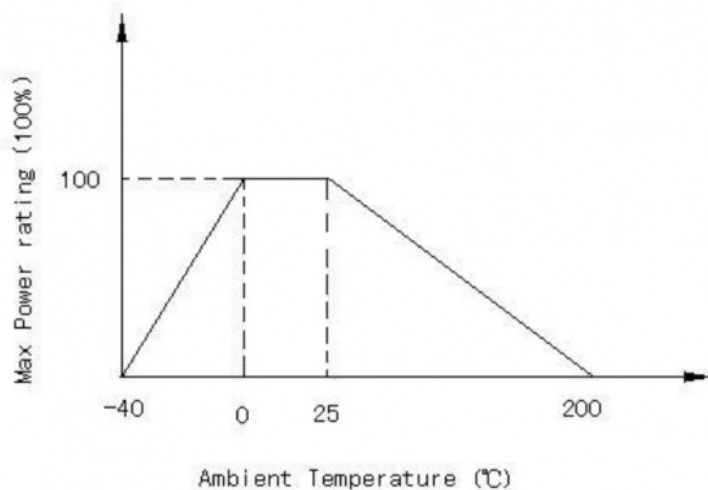
MF72 SCN 16D - 5  
(1) (2) (3) (4)

(1) MF72: MF72 Series.  
(2) SCN: Socay NTC.  
(3) 16D: Zero Power Resistance at 25 (R25).  
(4) Body Size: 5=Φ5mm.

#### Electrical Characteristics

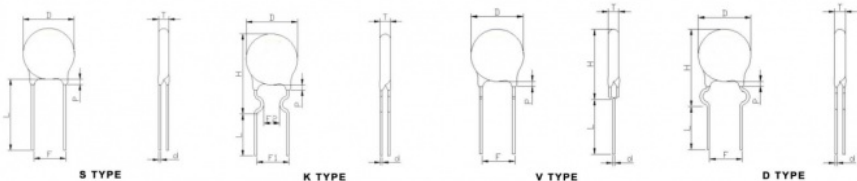
|                                  |                      |        |
|----------------------------------|----------------------|--------|
| Resistance at 25 ±20%            | R25(Ω)               | 8(Ω)   |
| Max. Permissible Working Current | I <sub>max</sub> (A) | 0.5A   |
| Resistance under Load (mΩ)       | (mΩ)                 | 1093mΩ |
| Dissipation Factor               | δ(mW/ )              | 6mW/   |
| Thermal Time Constant            | τ(Sec.)              | 18Sec. |
| permissible capacitance @240Vac  | C(uF)                | 47uF   |

#### Maximum Power Rating(Pmax)



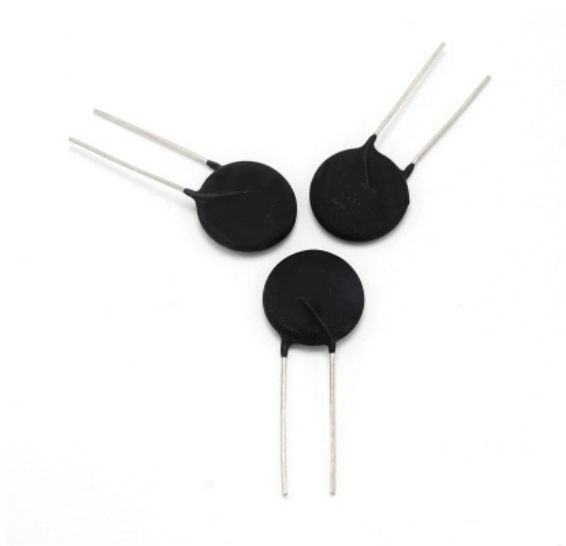
| Packing Specification | Quantity (pcs/bag) |
|-----------------------|--------------------|
| L short               | 1000               |
| L long                | 500                |

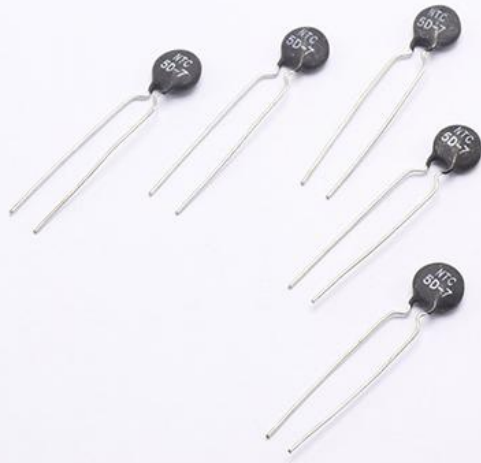
#### Structure and Dimensions (Unit: mm)

|  |       |       |       |        |              |      |       |
|------------------------------------------------------------------------------------|-------|-------|-------|--------|--------------|------|-------|
| D max                                                                              | T max | P max | F     | H      | Lshort/Llong | d    | Type  |
| 8.0                                                                                | 4.5   | 3.0   | 5±0.5 | --     | 7±1/20±1     | 0.55 | S     |
| 8.0                                                                                | 4.5   | 3.0   | 5±0.5 | 14.5±1 | 4±1/20±1     | 0.55 | K/V/D |

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

#### Product Display:



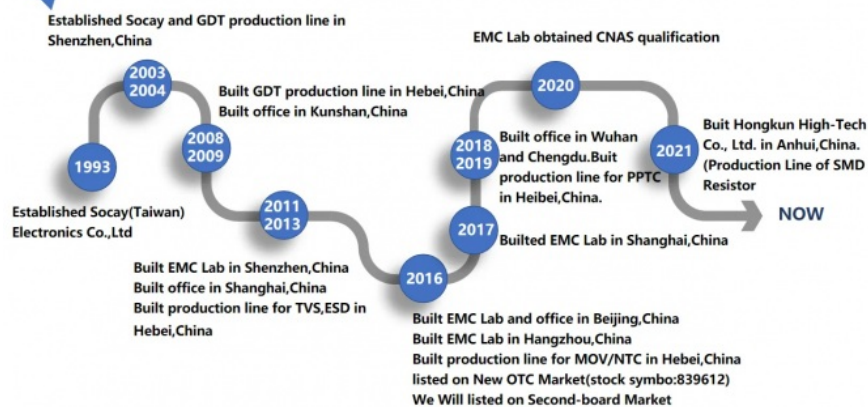




Company Profile:



### History of Socay Group



5 invention patents

42 utility model patents

16 Design patent





#### Shipping:



#### 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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