



## SOCAY Power NTC Thermistor MF72-SCN10D-20 10Ω 20mm 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-9
- Minimum Order Quantity: 2000PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



### Product Specification

- Product Name: NTC Thermistor
- Package Type: Φ20mm
- NTC R25: 10Ω
- I<sub>max</sub> A : 16A
- Resistance Under Load: 194mΩ
- δ W/ : 23m
- τ Secs. : 118Secs.
- Capacitance: 560μF



### More Images



## Product Description

### SOCAY Power NTC Thermistor MF72-SCN10D-20 10Ω 20mm Imax Wide Resistance Range

**DATASHEET:** [MF72-SCN10D-20\\_v2106.1.pdf](#)

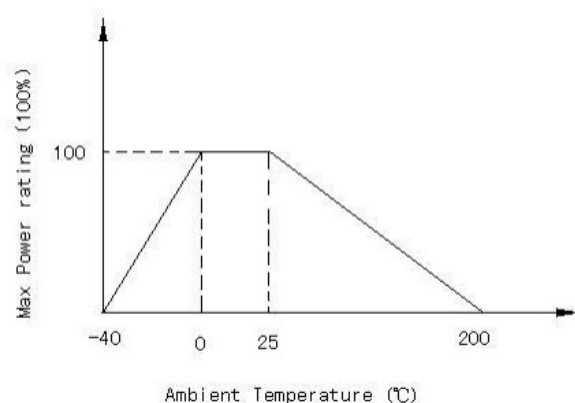
|                                  |                                                                                                 |                                  |                            |                    |                       |                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------|----------------------------|--------------------|-----------------------|-----------------------------------------|
| Features                         | RoHS & Halogen Free (HF) compl                                                                  |                                  |                            |                    |                       |                                         |
|                                  | Body size: Φ20mm                                                                                |                                  |                            |                    |                       |                                         |
|                                  | Radial lead resin coat                                                                          |                                  |                            |                    |                       |                                         |
|                                  | High power rating                                                                               |                                  |                            |                    |                       |                                         |
|                                  | Wide resistance range                                                                           |                                  |                            |                    |                       |                                         |
|                                  | Cost effective                                                                                  |                                  |                            |                    |                       |                                         |
|                                  | Operating temperature range: -40~+200                                                           |                                  |                            |                    |                       |                                         |
| Agency recognition: UL /cUL/RoHS |                                                                                                 |                                  |                            |                    |                       |                                         |
|                                  |                                                                                                 |                                  |                            |                    |                       |                                         |
| Recommended Applications         | Switch mode power supply                                                                        |                                  |                            |                    |                       |                                         |
|                                  | Electric motor                                                                                  |                                  |                            |                    |                       |                                         |
|                                  | 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 |                                  |                            |                    |                       |                                         |
|                                  | 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-SCN10D-9                    | 10                                                                                              | 16                               | 194                        | 23                 | 118                   | 560                                     |

Part No. Code:

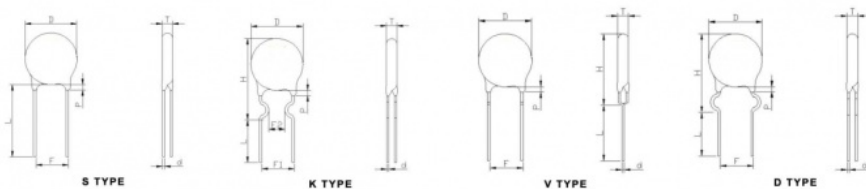
| MF72 | SCN | 10D | - 20 |
|------|-----|-----|------|
| (1)  | (2) | (3) | (4)  |

- (1) MF72: MF72 Series.  
 (2) SCN: Socay NTC.  
 (3) 2.5D: Zero Power Resistance at 25 (R25): 10=10Ω.  
 (4) Body Size: 20=Φ20mm.

#### Maximum Power Rating(Pmax)



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



| D max | T max | P max | F      | H      | Lshort / Llong | d | Type  |
|-------|-------|-------|--------|--------|----------------|---|-------|
| 22    | 7     | 3     | 10±0.5 | --     | 7±1/20±1       | 1 | S     |
| 22    | 7     | 3     | 10±0.5 | 27.5±1 | 4±1/20±1       | 1 | K/V/D |

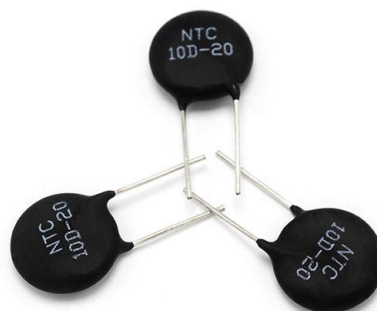
#### Packing:

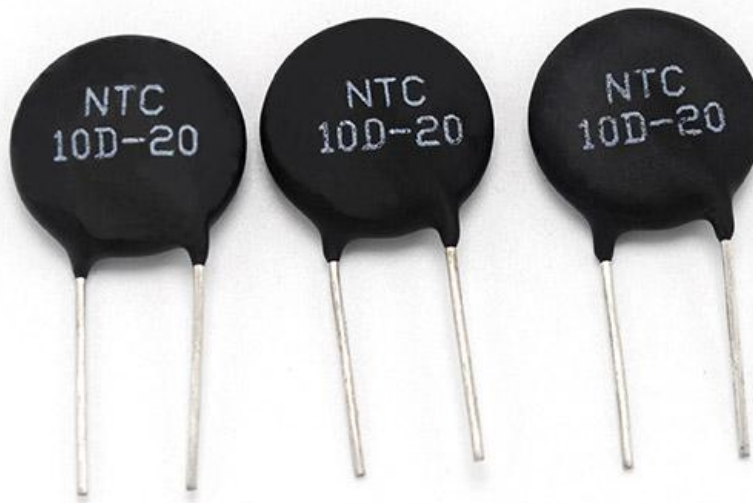
| Part Number    | Type of L | Quantity (pcs/bag) |
|----------------|-----------|--------------------|
| MF72-SCN10D-20 | Lshort    | 100                |
|                | Llong     | 100                |

#### 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 $235 \pm 5^\circ\text{C}$ 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>              | $(-40^\circ\text{C} \times \rightarrow +25^\circ\text{C} \times 3\text{min}) \times 5\text{Cycles}$<br>$(-85^\circ\text{C} \times \rightarrow +25^\circ\text{C} \times 3\text{min}) \times 5\text{Cycles}$ | $ \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 Display





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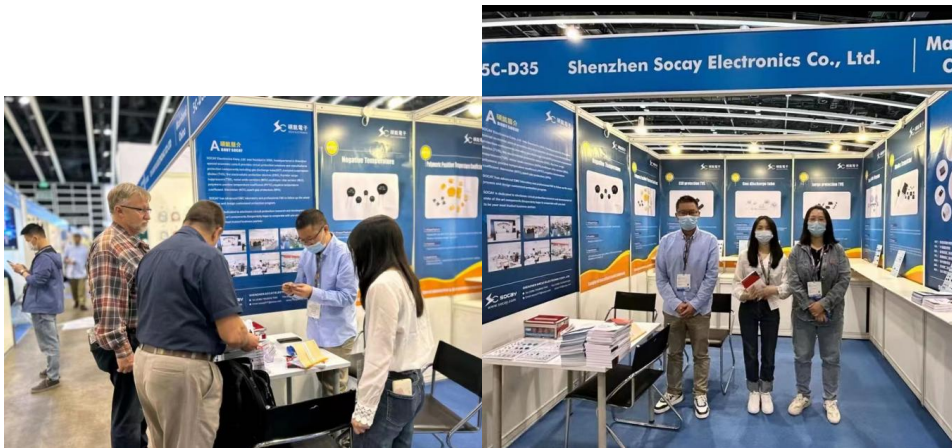
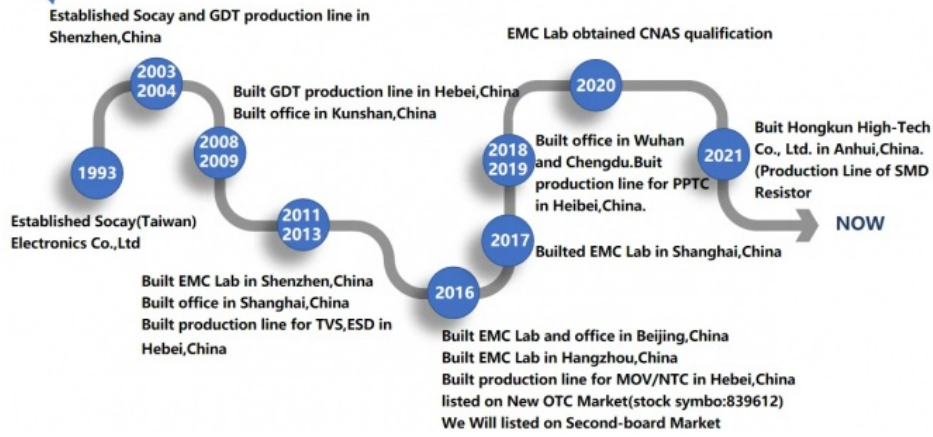
**Company Profile:**

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 Thermistor
- 6- Varistor, etc.



## History of Socay Group





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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