



## 10Ω NTC Negative Temp Coefficient Thermistor MF72-SCN10D-5 771mΩ Resistance Under Load

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 / 1000PCS
- Price: Negotiable
- Packaging Details: AMMO packing bulk
- Delivery Time: 5-8 work days



### Product Specification

- Item: NTC Thermistor
- Dimension:  $\Phi 5\text{mm}$
- R25:  $10\Omega$
- I<sub>max</sub>: 0.7A
- Resistance Under Load: 771mΩ
- $\delta$ : 6mW/
- $\tau$ : 20 Secs.
- C: 47μF
- Storage Temperature Range: -10 To +40
- Highlight: 10Ω Negative Temp Coefficient Thermistor,  
NTC Negative Temp Coefficient Thermistor



### More Images



## Product Description

### 10Ω Negative Temperature Coefficient Thermistor MF72-SCN10D-5 771mΩ Resistance Under Load

**DATASHEET:** [MF72-SCN10D-5\\_v2105.1.pdf](#)

Part Number	Resistance at 25 ±20%	Max. Permissible Working Current	Resistance under Load (mΩ)	Dissipation Factor	Thermal Time Constant	Maximum permissible capacitance @240Vac
	$R_{25}(Ω)$	$I_{max}(A)$	(mΩ)	$\delta(mW/)$	$\tau(Sec.)$	C(uF)
MF72-SCN10D-5	10	0.7	771	6	20	47

#### Features:

RoHS & Halogen Free (HF) compliant  
 Body size:  $\phi 5mm$   
 Radial lead resin coated  
 High power rating  
 Wide resistance range  
 Cost effective  
 Operating temperature range: -40~+200  
 Agency recognition: UL /cUL/RoHS

#### Selection Method

Zero power resistance based on maximum operating ambient temperature.  
 The maximum steady-state current at the maximum ambient temperature is greater than the customer's maximum long-term operating current, with a margin.

#### Applications:

Switching power supplies, adapters, PD fast chargers, electronic motors, etc.

#### Storage Conditions of Products:

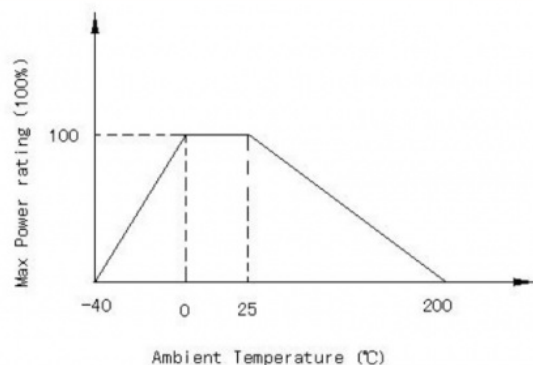
u Storage Conditions:  
 Storage Temperature: -10 ~ +40 .  
 Relative Humidity:  $\leq 75\%RH$ .  
 Keep away from corrosive atmosphere and sunlight.  
 u Period of Storage: 1 year.

#### Part Number Code

MF72	SCN	10D	- 5
(1)	(2)	(3)	(4)

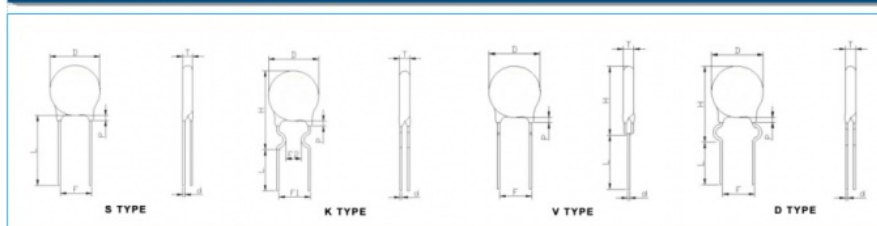
- (1) MF72: MF72 Series.  
 (2) SCN: Socay NTC.  
 (3) 10D: Zero Power Resistance at 25℃( $R_{25}$ ): 10=10Ω.  
 (4) Body Size: 5=Φ5mm.

# Maximum Power Rating (Pmax)



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

## Structure and Dimensions (Unit: mm)



D max	T max	P max	F	H	L short/L long	d	Type
6.0	4.0	3.0	$5 \pm 0.5$	--	$7 \pm 1/20 \pm 1$	0.55	S
6.0	4.0	3.0	$5 \pm 0.5$	$10 \pm 1$	$4 \pm 1/20 \pm 1$	0.55	K/V/D

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

## Packing Specification

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

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