



## SOCAY Power NTC Thermistor MF72-SCN3D-13 3Ω 13mm I<sub>max</sub> Wide Resistance Range

Our Product Introduction

### Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: UL, REACH, RoHS, ISO
- Model Number: MF72-SCN3D-13
- Minimum Order Quantity: 1000PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



### Product Specification

- Product Name: NTC Thermistor
- Package Type: Φ13mm
- NTC R25: 3Ω
- I<sub>max</sub>: 6A
- Resistance Under Load: 92mΩ
- δ: 14mW/
- τ: 60 Secs.
- Capacitance: 330μF



### More Images



for more products please visit us on [socaydiode.com](http://socaydiode.com)

**Product Description****SOCAY Power NTC Thermistor MF72-SCN2.5D-13 2.5Ω I<sub>max</sub> Wide Resistance Range****DATASHEET:** [MF72-SCN2.5D-13\\_v2105.1.pdf](#)**1. Electrical Characteristics**

Part Number	MF72-SCN3D-13	
Resistance at 25 ±20%	R25(Ω)	3
Max. Permissible Working Current	I <sub>max</sub> (A)	6
Resistance under Load (mΩ)	(mΩ)	88
Dissipation Factor	δ(mW/ )	14
Thermal Time Constant	τ(Sec.)	60
Maximum permissible capacitance @240Vac	C(μF)	330

**2. Classification**

Agency recognition: UL /cUL/RoHS  
 RoHS & Halogen Free (HF) compliant  
 Wide resistance range  
 Radial lead resin coated  
 Cost effective  
 Body size: Φ13mm  
 High power rating  
 Operating temperature range: -40~+200

**Applications:**

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

**Storage Conditions of Products:**

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

2.Period of Storage: 1 year

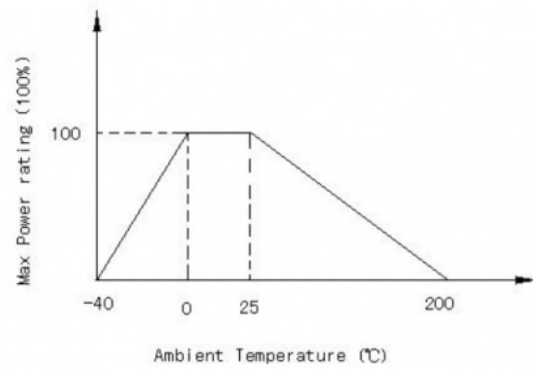
**Part Number Code**

MF72 -SCN 3D-13

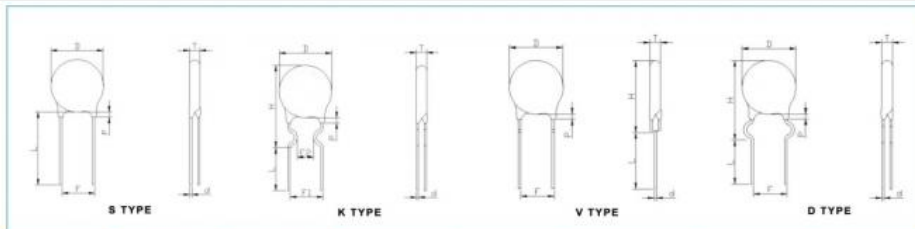
(1) (2) (3)(4)

- (1) MF72: MF72 Series.  
 (2) SCN: Socay NTC.  
 (3) 3D: Zero Power Resistance at 25 (R25): 3=3Ω.  
 (4) Body Size: 13=Φ13mm.

#### Maximum Power Rating (Pmax)



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



D max	T max	P max	F	H	Lshort/Llong	d	Type
14.5	5.5	3.0	7.5±0.5	--	7±1/20±1	0.75	S
14.5	5.5	3.0	7.5±0.5	20.5±1	4±1/20±1	0.75	K/V/D

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

#### Packing

Part Number	Type of L	Quantity (pcs/bag)
MF72-SCN3D-11	Lshort	250
	Llong	250

#### Dependability

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°C×→+25°C×3min) × 5Cycles (-85°C×→+25°C×3min) × 5Cycles	ΔR/R   ≤ ± 20 %
Humidity Test	45°C 95%RH×1000 hours	ΔR/R   ≤ ± 20 %
Load Life	6 AMP×1000 hours	ΔR/R   ≤ ± 20 %
Insulation Test	DC 700V	R≥500MQ

#### Company Introduce

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

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





## FAQ

Q: May we get some samples?

A: Of course, samples are available.

Q: Do you support customization?

A: Yes, we do.

Q: What is product lead time?

A: For GDT, TVS and ESD, lead time will take 1-2 weeks. For TSS, MOV, MLV, NTC, and PPTC, lead time will take 2-3 weeks. Accurate lead time will be further confirmed when we know your specific requirement.

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

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