



## High Power Rating NTC Thermistor MF72-SCN3D-9 Working Current 4A

Our Product Introduction

### Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: UL, REACH, RoHS, ISO
- Model Number: MF72-SCN3D-9
- Minimum Order Quantity: 1000PCS / 500PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



### Product Specification

- Product Name: NTC Thermistor
- Package Type:  $\Phi 9\text{mm}$
- R25:  $3\Omega$
- I<sub>max</sub>: 4A
- Resistance Under Load:  $120\text{m}\Omega$
- $\delta$ :  $11\text{mW/}$
- $\tau$ : 35 Secs.
- C:  $110\mu\text{F}$
- Storage Temperature Range:  $-10\text{ To }+40$
- Highlight: NTC Thermistor 4A,  
High Power Rating NTC Thermistor, NTC 3D-9



### More Images



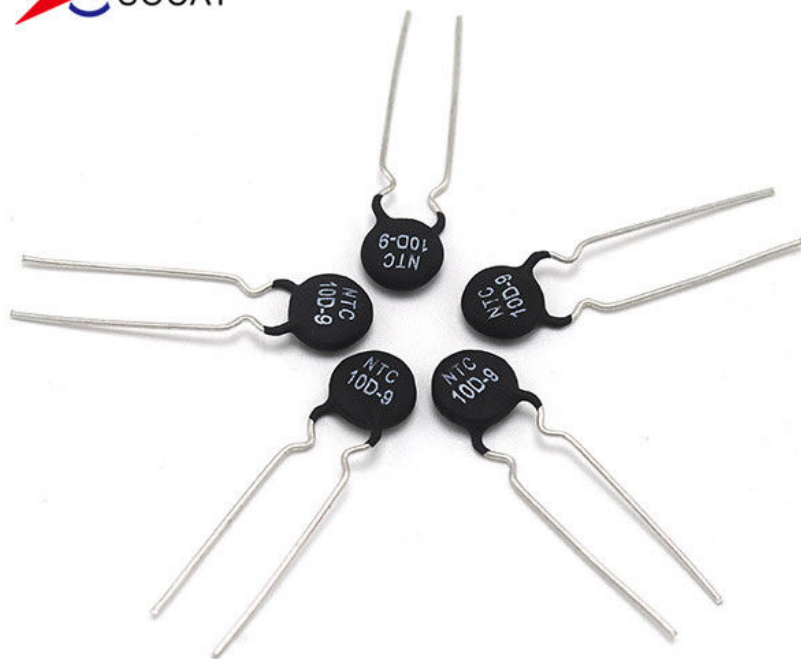
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## Product Description

9D Series NTC Thermistor MF72-SCN3D-9 Working Current 4A Dissipation Factor 11mW/

**DATASHEET:** [MF72-SCN3D-9\\_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)	$\delta(mW/)$	$\tau(Sec.)$	$C(\mu F)$
MF72-SCN3D-9	3	4	120	11	35	110



### Features:

RoHS & Halogen Free (HF) compliant  
 Body size:  $\phi 9mm$   
 Radial lead resin coated  
 High power rating  
 Wide resistance range  
 Cost effective  
 Operating temperature range:  $-40\sim+200$   
 Agency recognition: UL /cUL/RoHS

### Applications:

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

### Storage Conditions of Products:

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

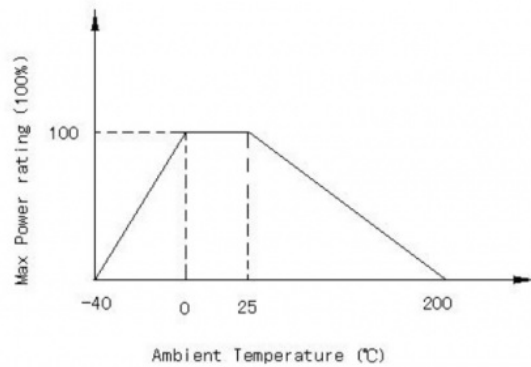
#### Part Number Code

**MF72    SCN    3D   -   9**

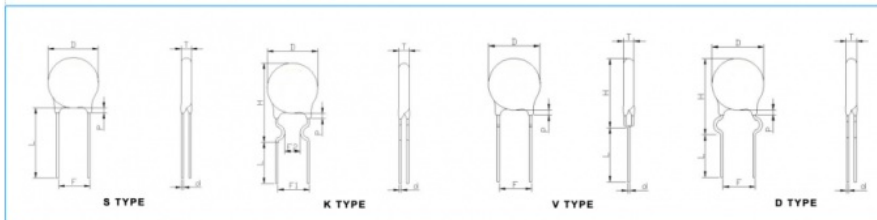
(1)        (2)        (3)        (4)

- (1) MF72: MF72 Series.  
 (2) SCN: Socay NTC.  
 (3) 3D: Zero Power Resistance at 25℃(R<sub>25</sub>):3=3Ω.  
 (4) Body Size: 9=Φ9mm.

#### Maximum Power Rating (Pmax)



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



D max	T max	P max	F	H	L-short/L-long	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

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

Part Number	Type of L	Quantity (pcs/bag)
MF72-SCN3D-9	L-short	1000
	L-long	500

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 ± 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 $\times$ 3min) $\times$ 5Cycles (-85 $\times \rightarrow$ +25 $\times$ 3min) $\times$ 5Cycles	$ \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	$R \geq 500M\Omega$



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