



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: 3Ω
- I_{max}: 4A
- Resistance Under Load: $120\text{m}\Omega$
- δ : 11mW/
- τ : 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



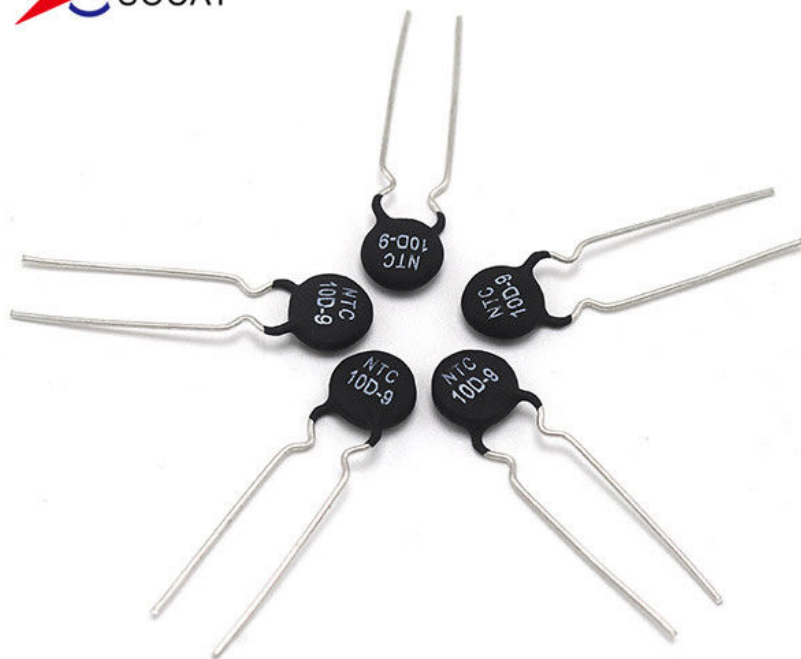
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Product Description

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.

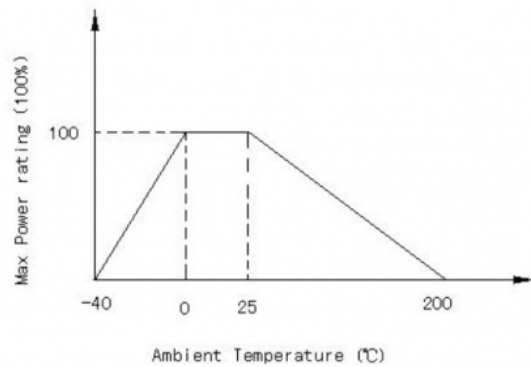
Part Number Code

MF72 SCN 3D - 9

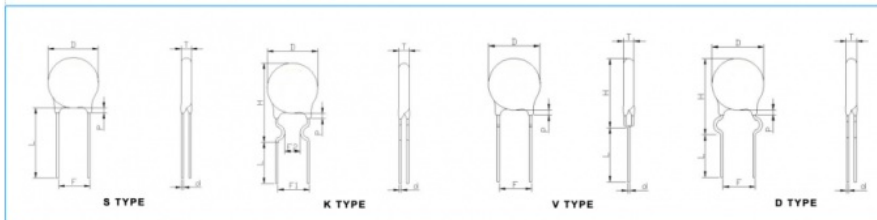
(1) (2) (3) (4)

- (1) MF72: MF72 Series.
 (2) SCN: Socay NTC.
 (3) 3D: Zero Power Resistance at 25℃(R₂₅):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
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 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 $\times \rightarrow$ +25 $\times$ 3min) $\times$ 5Cycles (-85 $\times \rightarrow$ +25 $\times$ 3min) $\times$ 5Cycles	$ \Delta R/R \leq \pm 20\%$
Humidity Test	45 95%RH $\times$ 1000 hours	$ \Delta R/R \leq \pm 20\%$
Load Life	6 AMP $\times$ 1000 hours	$ \Delta R/R \leq \pm 20\%$
Insulation Test	DC 700V	$R \geq 500M\Omega$



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