



MF72-SCN10D-9 Negative Temperature Coefficient Thermistor For Transformer Adapter

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: UL, REACH, RoHS, ISO
- Model Number: MF72-SCN10D-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: 10Ω
- I_{max}: 2A
- Resistance Under Load: $458\text{m}\Omega$
- δ : 11mW/
- τ : 32 Secs.
- C: $110\mu\text{F}$
- Storage Temperature Range: $-10\text{ To }+40$
- Highlight: Transformer Negative Temperature Coefficient Thermistor
, Adapter Negative Temperature Coefficient Thermistor



More Images



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Product Description

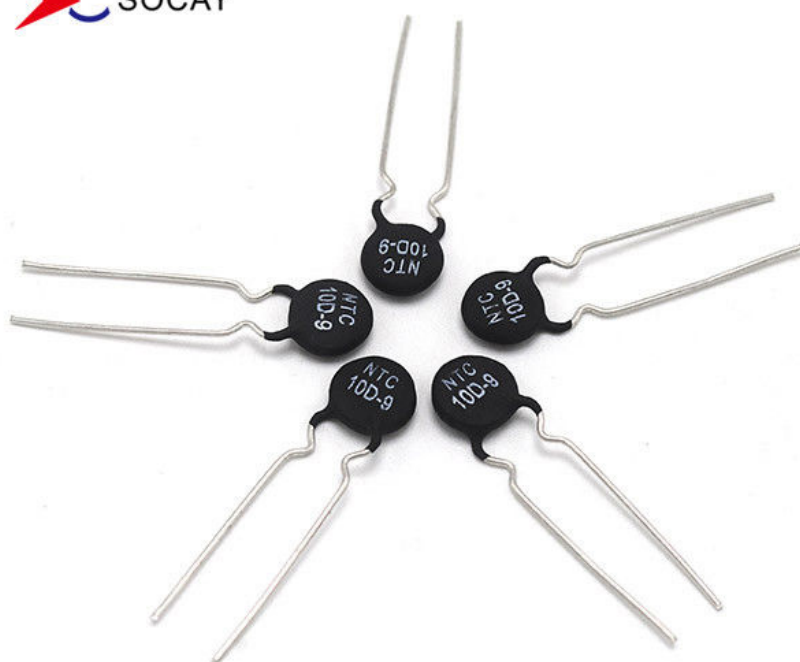
Socay NTC MF72 Series MF72-SCN10D-9 Power Thermistor Suitable for Transformer/Adapter/Projector

DATASHEET: [MF72-SCN10D-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)	$δ(mW/)$	$τ(Sec.)$	C(uF)
MF72-SCN10D-9	10	2	458	11	32	110

Main Material

Connected in series on the circuit, at room temperature, NTC resistance value is large, in the moment the circuit is connected, can play a current limiting role; when the circuit works normally, NTC due to the temperature rise caused by passing current, at this time the resistance value drops, will not affect the normal operation of the circuit.



Features:

RoHS & Halogen Free (HF) compliant
 Body size: $φ9mm$
 Radial lead resin coated
 High power rating
 Wide resistance range
 Cost effective
 Operating temperature range: $-40\sim+200$
 Agency recognition: UL /cUL/RoHS

Storage Conditions of Products:

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

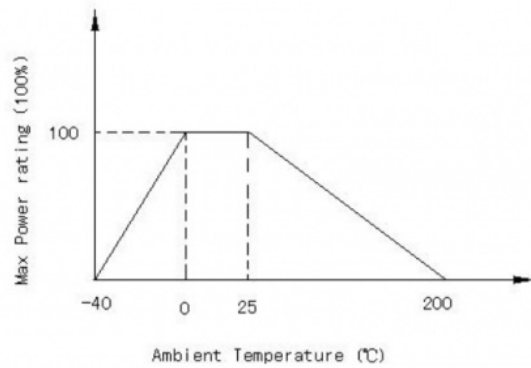
Part Number Code

MF72 SCN 10D - 9

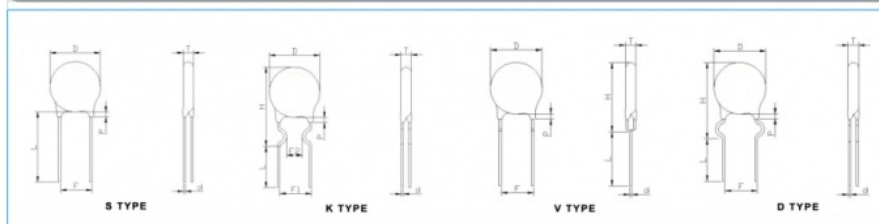
(1) (2) (3) (4)

- (1) MF72: MF72 Series.
- (2) SCN: Socay NTC.
- (3) 10D: Zero Power Resistance at 25℃(R₂₅):10=10Ω.
- (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-SCN10D-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 × → +25 × 3min) × 5Cycles (-85 × → +25 × 3min) × 5Cycles	ΔR/R ≤ ±20 %
Humidity Test	45 95%RH×1000 hours	ΔR/R ≤ ±20 %
Load Life	6 AMP×1000 hours	ΔR/R ≤ ±20 %
Insulation Test	DC 700V	R≥500MΩ

NTC Working Principle

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