



R25 5Ω NTC Power Thermistor MF72-SCN5D-9 For Limiting Inrush Current Φ9mm

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: UL, REACH, RoHS, ISO
- Model Number: MF72-SCN5D-9
- Minimum Order Quantity: 1000PCS / 500PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



Product Specification

- Product Name: NTC Thermistor
- Length: Φ9mm
- R25: 5Ω
- I_{max}: 3A
- Resistance Under Load: 210mΩ
- δ: 11mW/
- τ: 34 Secs.
- C: 110μF
- Storage Temperature Range: -10 To +40
- Characteristics: NTCs Device
- Highlight: **5Ω NTC Power Thermistor,
9mm NTC Power Thermistor,
NTC 5D-9 Thermistor**



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Product Description

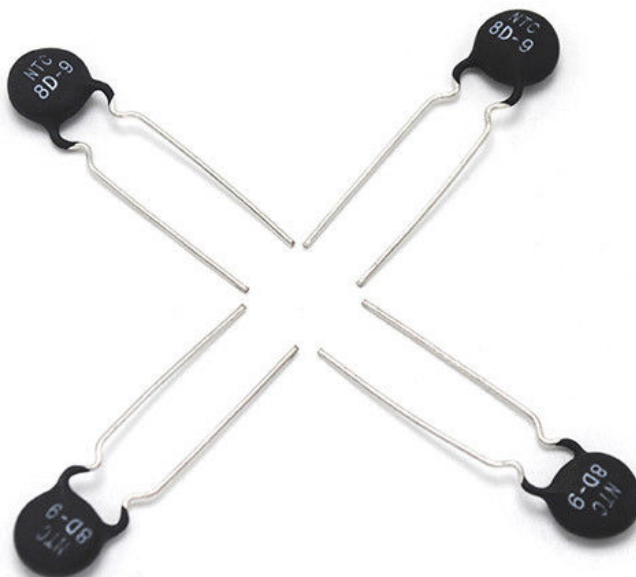
Zero Power Resistance at 25 (R25) 5Ω Power Thermistor for Limiting Inrush Current Φ9mm NTC

DATASHEET: [MF72-SCN5D-9_v2105.1.pdf](#)

Introduction:

NTCs are devices whose resistance decreases exponentially with increasing temperature, suppressing inrush currents at the moment the power supply is closed.

Part Number	Resistance at 25 ±20%	Max. Permissible Working Current	Resistance under Load (mΩ)	Dissipation Factor	Thermal Time Constant	Maximum permissible capacitance @240Vac
	$R_{25}(\Omega)$	$I_{max}(A)$	(mΩ)	$\delta(mW/)$	$\tau(Sec.)$	C(uF)
MF72-SCN5D-9	5	3	210	11	34	110



Features:

Circuit Board components protection .

Applications:

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

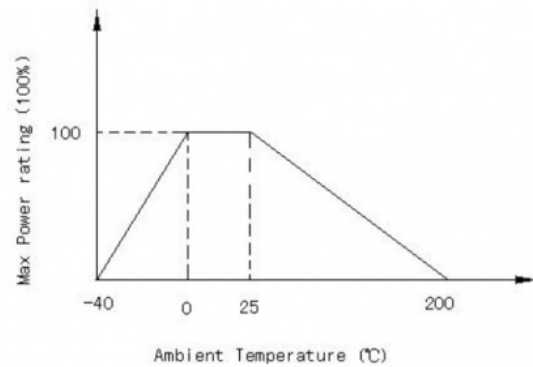
Part Number Code

MF72 SCN 5D - 9

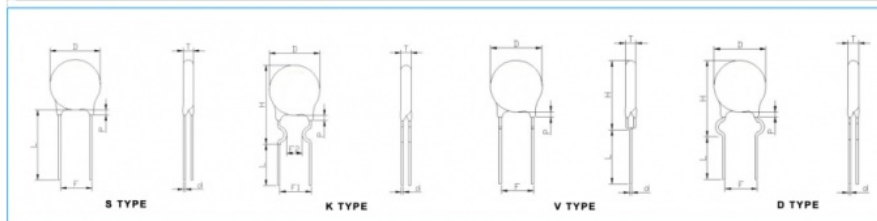
(1) (2) (3) (4)

- (1) MF72: MF72 Series.
- (2) SCN: Socay NTC.
- (3) 5D: Zero Power Resistance at 25℃(R₂₅):5=5Ω.
- (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-SCN5D-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

Circuit Slection method

1: DC 1.2-1.5 times greater than working voltage

2: AC 1.5-2 times greater than working voltage



+8618126201429



sylvia@socay.com



socaydiode.com

4/F, Block C, HeHengXing Science & Technology Park, 19 MinQing Road, LongHua District, Shenzhen City,
GuangDong Province, China