



## 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<sub>max</sub>: 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

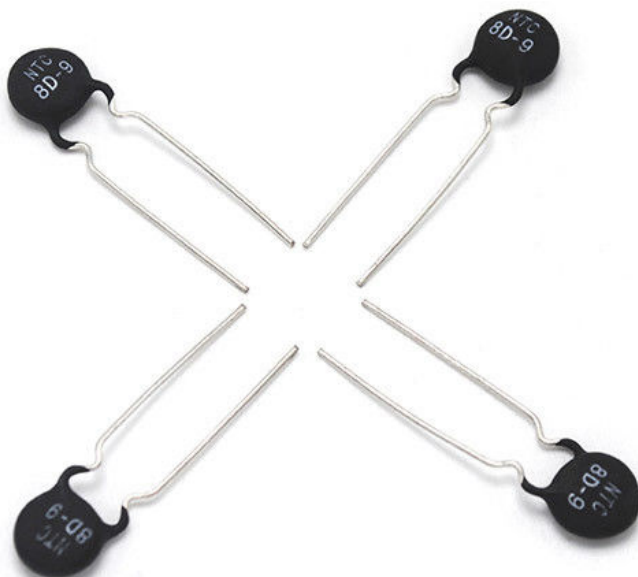
### Zero Power Resistance at 25 (R25) 5Ω Power Thermistor for Limiting Inrush Current Φ9mm NTC

**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.

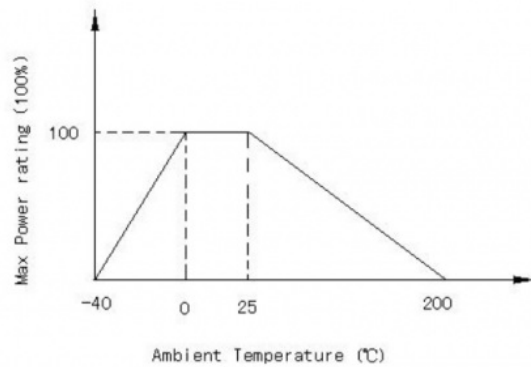
# Part Number Code

MF72    SCN    5D    -    9

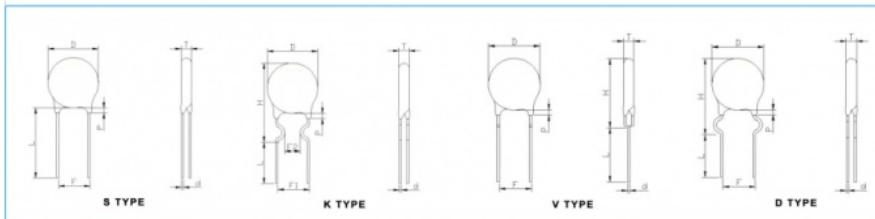
(1)    (2)    (3)    (4)

- (1) MF72: MF72 Series.
- (2) SCN: Socay NTC.
- (3) 5D: Zero Power Resistance at 25℃(R<sub>25</sub>):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 <sub>short</sub> /L <sub>long</sub>	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 <sub>short</sub>	1000
	L <sub>long</sub>	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 × → +25 × 3min) × 5Cycles (-85 × → +25 × 3min) × 5Cycles	ΔR/R   ≤ ±20 %
<b>Humidity Test</b>	45 95%RH×1000 hours	ΔR/R   ≤ ±20 %
<b>Load Life</b>	6 AMP×1000 hours	ΔR/R   ≤ ±20 %
<b>Insulation Test</b>	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



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