



Φ5mm Power NTC Thermistor 47μF MF72-SCN5D-5 For Limiting Inrush Current

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: UL, REACH, RoHS, ISO
- Model Number: MF72-SCN5D-5
- Minimum Order Quantity: 2000PCS / 1000PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



Product Specification

- Description: NTC Thermistor
- Footprint: Φ5mm
- R25: 5Ω
- I_{max}: 1A
- Resistance Under Load: 353mΩ
- δ: 6mW/
- τ: 20 Secs.
- C: 47μF
- Storage Temperature Range: -10 To +40
- Highlight: 5mm Power NTC Thermistor,
Power NTC Thermistor 47μF, NTC 5D-5



More Images



Product Description

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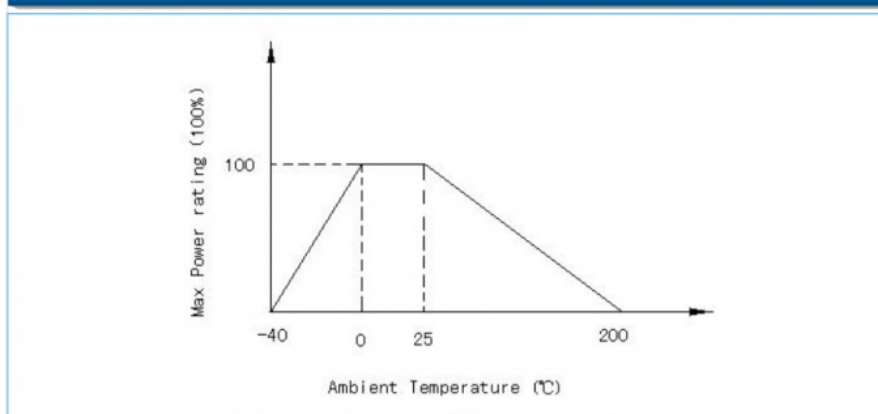
DATASHEET: [MF72-SCN5D-5_v2105.1.pdf](#)

Features:

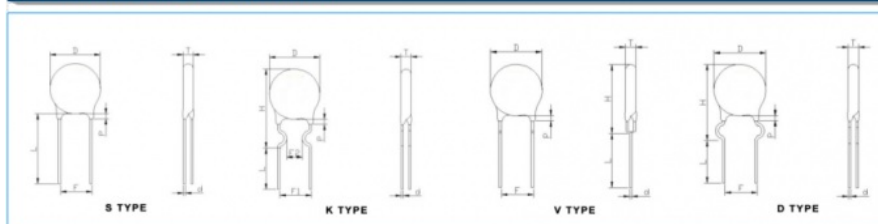
RoHS & Halogen Free (HF) compliant
 Body size: Φ5mm
 Radial lead resin coated
 High power rating
 Wide resistance range
 Cost effective
 Operating temperature range: -40~+200
 Agency recognition: UL /cUL/RoHS

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-5	5	1	353	6	20	47

Maximum Power Rating (Pmax)



Structure and Dimensions (Unit: mm)



D max	T max	P max	F	H	L short/L long	d	Type
6.0	4.0	3.0	5±0.5	—	7±1/20±1	0.55	S
6.0	4.0	3.0	5±0.5	10±1	4±1/20±1	0.55	K/V/D

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

Packing Specification

Part Number	Type of L	Quantity (pcs/bag)
MF72-SCN5D-5	L short	2000
	L long	1000

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	$R \geq 500M$

About NTC

An NTC thermistor is a resistor whose resistance changes with temperature. NTC stands for "Negative Temperature Coefficient", which means negative temperature coefficient. This means that as the temperature increases, the resistance value of the NTC thermistor will decrease.

NTC thermistors are commonly used to measure and control temperature. For example, they can be used in temperature sensors such as those that measure battery temperature, temperature controllers that control home heating systems, car engine control systems, and more. When the NTC thermistor is placed where the temperature needs to be measured or controlled, it will reflect the temperature change and change the resistance value accordingly. The change in temperature is calculated by measuring the change in resistance value.

In addition, NTC thermistors are also widely used for temperature compensation in circuits. When electronic components are working, their electrical properties will change due to temperature changes, and NTC thermistors can be used to compensate for this change. For example, using NTC thermistors in circuits can stabilize the circuit's working performance to a certain extent.

NTC thermistors are widely used in industry, automobiles, homes and other fields, and are commonly used sensors and electronic components.

About SOCAP

we are manufacturer and supplier of NTC ,DIODES ect passive components more than 20 years from China .if you have any request please contact us freely .



+8618126201429



sylvia@socay.com



socaydiode.com

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