



10Ω NTC Negative Temp Coefficient Thermistor MF72-SCN10D-5 771mΩ Resistance Under Load

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-SCN10D-5
- Minimum Order Quantity: 2000PCS / 1000PCS
- Price: Negotiable
- Packaging Details: AMMO packing bulk
- Delivery Time: 5-8 work days



Product Specification

- Item: NTC Thermistor
- Dimension: $\Phi 5\text{mm}$
- R25: 10Ω
- I_{max}: 0.7A
- Resistance Under Load: 771mΩ
- δ : 6mW/
- τ : 20 Secs.
- C: 47μF
- Storage Temperature Range: -10 To +40
- Highlight: 10Ω Negative Temp Coefficient Thermistor,
NTC Negative Temp Coefficient Thermistor



More Images



Product Description

10Ω Negative Temperature Coefficient Thermistor MF72-SCN10D-5 771mΩ Resistance Under Load

DATASHEET: [MF72-SCN10D-5_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(uF)
MF72-SCN10D-5	10	0.7	771	6	20	47

Features:

RoHS & Halogen Free (HF) compliant
 Body size: $\phi 5mm$
 Radial lead resin coated
 High power rating
 Wide resistance range
 Cost effective
 Operating temperature range: -40~+200
 Agency recognition: UL /cUL/RoHS

Selection Method

Zero power resistance based on maximum operating ambient temperature.
 The maximum steady-state current at the maximum ambient temperature is greater than the customer's maximum long-term operating current, with a margin.

Applications:

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

Storage Conditions of Products:

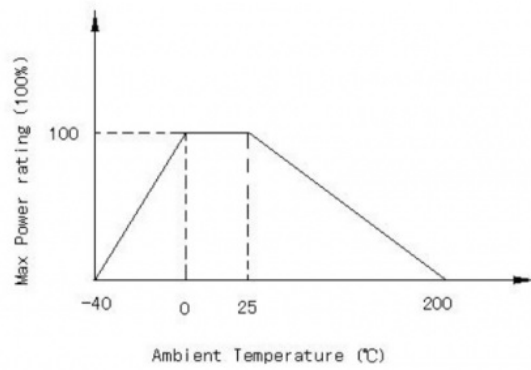
u Storage Conditions:
 Storage Temperature: -10 ~ +40 .
 Relative Humidity: $\leq 75\%RH$.
 Keep away from corrosive atmosphere and sunlight.
 u Period of Storage: 1 year.

Part Number Code

MF72	SCN	10D	- 5
(1)	(2)	(3)	(4)

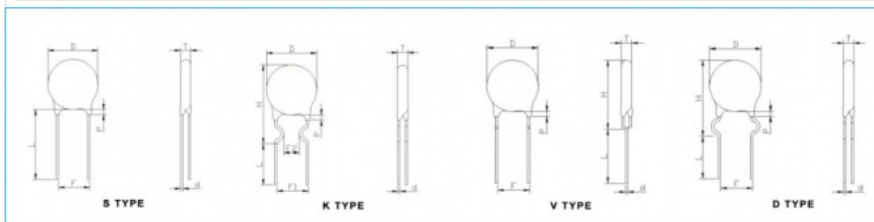
- (1) MF72: MF72 Series.
 (2) SCN: Socay NTC.
 (3) 10D: Zero Power Resistance at 25℃(R_{25}): 10=10Ω.
 (4) Body Size: 5=Φ5mm.

Maximum Power Rating (Pmax)



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	$(-40 \times \rightarrow +25 \times 3\text{min}) \times 5\text{Cycles}$ $(-85 \times \rightarrow +25 \times 3\text{min}) \times 5\text{Cycles}$	$ \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	$R \geq 500\text{M}\Omega$

Structure and Dimensions (Unit: mm)



D max	T max	P max	F	H	L short/Long	d	Type
6.0	4.0	3.0	5 ± 0.5	--	$7 \pm 1/20 \pm 1$	0.55	S
6.0	4.0	3.0	5 ± 0.5	10 ± 1	$4 \pm 1/20 \pm 1$	0.55	K/V/D

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

Packing Specifiction

Part Number	Type of L	Quantity (pcs/bag)
MF72-SCN10D-5	L short	2000
	L long	1000

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