



## MF72-SCN5D-11 NTC 5D-11 Thermistor 156mΩ 220μF RoHS compliant

### Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: UL, REACH, RoHS, ISO
- Model Number: MF72-SCN5D-11
- Minimum Order Quantity: 1000PCS / 500PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



### Product Specification

- Product Name: NTC Thermistor
- Package Type: Φ11mm
- R25: 5Ω
- I<sub>max</sub>: 4A
- Resistance Under Load: 156mΩ
- δ: 13mW/
- τ: 45 Secs.
- Storage Temperature Range: -10 To +40
- Highlight: NTC 5D-11 Thermistor,  
RoHS NTC 5D-11 Thermistor

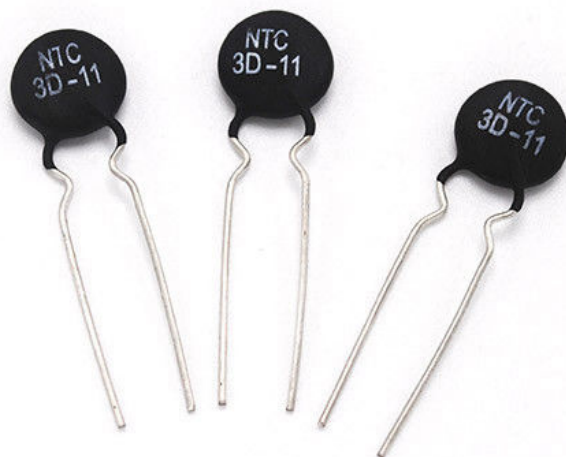


## Product Description

Fast Delivery Time MF72-SCN5D-11 Resistance at 25  $5\Omega \pm 20\%$  NTC Thermistor 156m $\Omega$  220 $\mu$ F

**DATASHEET:** [MF72-SCN5D-11\\_v2105.1.pdf](#)

Part Number	Resistance at 25 $\pm 20\%$	Max. Permissible Working Current	Resistance under Load (m $\Omega$ )	Dissipation Factor	Thermal Time Constant	Maximum permissible capacitance @240Vac
	R <sub>25</sub> ( $\Omega$ )	I <sub>max</sub> (A)	(m $\Omega$ )	$\delta$ (mW/ )	$\tau$ (Sec.)	C( $\mu$ F)
MF72-SCN5D-11	5	4	156	13	45	220



### Features:

RoHS & Halogen Free (HF) compliant  
 Body size:  $\phi 11$ mm  
 Radial lead resin coated  
 High power rating  
 Wide resistance range  
 Cost effective  
 Operating temperature range: -40~+200  
 Agency recognition: UL /cUL/RoHS

### Applications:

- u Switch mode power supply
- u Electric motor
- u Transformer
- u Adapter
- u Projector
- u Halogen lamp
- u LED driver circuit

### Storage Conditions of Products:

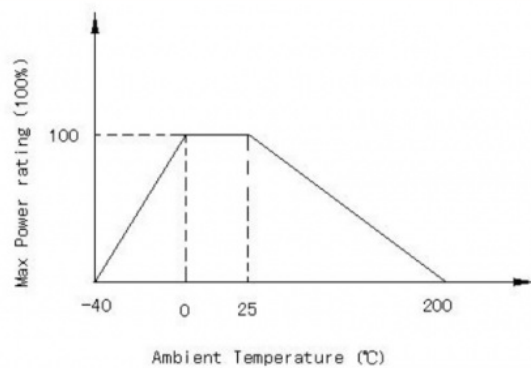
u Storage Conditions:  
 Storage Temperature: -10 ~ +40 .  
 Relative Humidity: ≤ 75%RH.  
 Keep away from corrosive atmosphere and sunlight.  
 u Period of Storage: 1 year.

#### Part Number Code

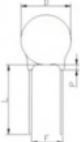



**MF72    SCN    5D   -   11**  
 (1)        (2)        (3)        (4)

- (1) MF72: MF72 Series.  
 (2) SCN: Socay NTC.  
 (3) 5D: Zero Power Resistance at 25℃(R<sub>25</sub>): 5=5Ω.  
 (4) Body Size: 11=Φ11mm.

#### Maximum Power Rating (Pmax)



#### Structure and Dimensions (Unit: mm)

			
S TYPE	K TYPE	V TYPE	D TYPE

D max	T max	P max	F	H	L <sub>short</sub> /L <sub>long</sub>	d	Type
12.5	5.5	3.0	7.5±0.5	--	7±1/20±1	0.75	S
12.5	5.5	3.0	7.5±0.5	17.5±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-11	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	$ \Delta R/R  \leq \pm 20\%$
<b>Insulation Test</b>	DC 700V	$R \geq 500M\Omega$



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