

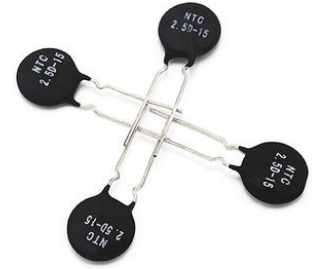
SOCAY High Accuracy Temperature Sensor NTC Thermistor MF72-SCN2.5D-15 2.5ohm 15mm

Our Product Introduction

for more products please visit us on socaydiode.com

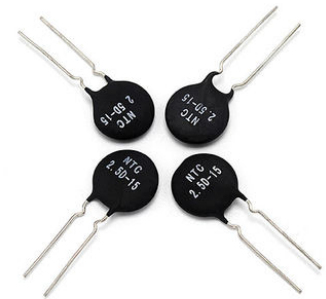
Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: UL, REACH, ROHS, ISO
- Model Number: MF72-SCN3D-15
- Minimum Order Quantity: 2000PCS / 1000PCS
- Price: Negotiable
- Packaging Details: Bulk
- Delivery Time: 5-7 days
- Payment Terms: T/T, Western Union, MoneyGram,
- Supply Ability: 250,000PCS Per Month



Product Specification

- Resistance At 25 \pm 20%: 3 Ω
- Max. Permissible Working Current: 7A
- Resistance Under Load (m Ω): 75m Ω
- Dissipation Factor(mW/ : 18mW/
- Thermal Time Constant Sec.)_: 76Sec.
- Maximum Permissible Capacitance @240Vac(uF): 470uF
- Body Size: 15mm
- Operating Temperature Range: -40~+200
- Storage Temperature Range: -10 To +40
- Highlight: **2.5ohm NTC Thermistor, NTC Thermistor MF72-SCN2.5D-15, MF72-SCN2.5D-15**



More Images



Product Description

SOCAY High Accuracy Temperature Sensor NTC Thermistor MF72-SCN3D-15 3ohm 15mm

DATASHEET: [MF72-SCN3D-15_v2105.1.pdf](#)



Features

1. RoHS & Halogen Free (HF) compliant
2. Body size: $\Phi 11\text{mm}$
3. Radial lead resin coated
4. High power rating
5. Wide resistance range
6. Cost effective
7. Operating temperature range: $-40\sim+200^{\circ}\text{C}$
8. Agency recognition: UL /cUL/RoHS

Recommended Application

1. Switch mode power supply
2. Electric motor
3. Transformer
4. Adapter
5. Projector
6. Halogen lamp
7. LED driver circuit

Storage Conditions of Products

1. Storage Conditions:
Storage Temperature: $-10^{\circ}\text{C} \sim +40^{\circ}\text{C}$.
Relative Humidity: $\leq 75\% \text{RH}$.
Keep away from corrosive atmosphere and sunlight. ☐
2. Period of Storage: 1 year.

Recommended Application

AC Adapter



LED Driver



Projector



Switching Power Supply



Halogen Lamp



Motor



Part Number Code

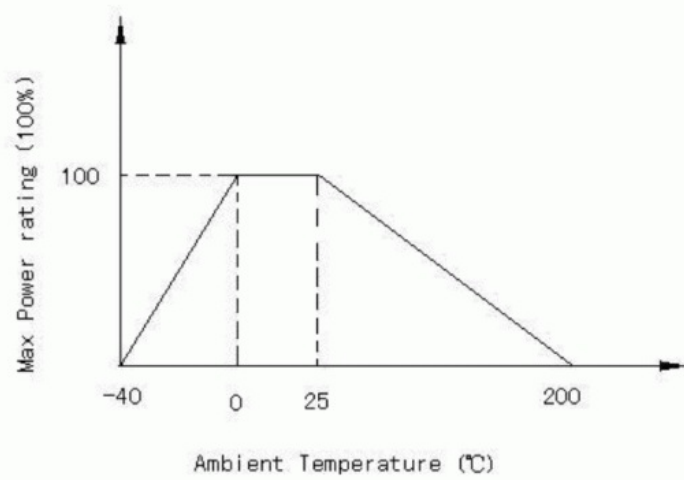
<u>MF72</u>	<u>SCN</u>	<u>3D</u>	-	<u>15</u>
(1)	(2)	(3)		(4)

- (1) MF72: MF72 Series.
- (2) SCN: Socay NTC.
- (3) 3D: Zero Power Resistance at 25 (R25): $3=3\Omega$.
- (4) Body Size: $15=\Phi 15\text{mm}$.

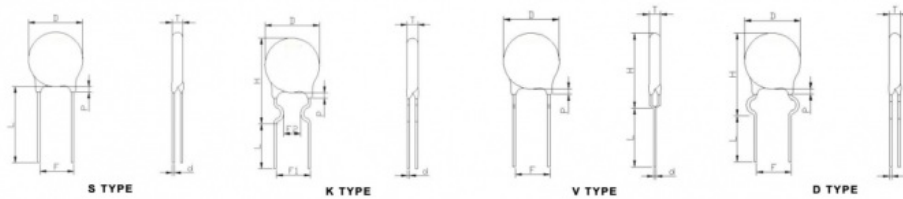
Electrical Characteristics

Part Number	Resistance at 25°C ±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)	$\delta(mW/^\circ C)$	$\tau(Sec.)$	C(uF)
MF72-SCN3D-15	3	7	75	18	76	470

Maximum Power Rating(Pmax)



Product Shape



D max	T max	P max	F	H	L _{short} /L _{long}	d	Type
17	6.0	3.0	7.5±0.5	--	7±1/20±1	0.75	S
17	6.0	3.0	7.5±0.5	22.5±1	4±1/20±1	0.75	K/V/D

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

Packing Specifiction

Part Number	Quantity (pcs/bag)
MF72-SCN3D-15	250

Product selection guide

Part Number	Resistance at 25°C ±20%	Max Permissible Working Current	Resistance under Load (mΩ)	Dissipation Factor	Thermal Time Constant
	R25(Ω)	I _{max} (A)	(mΩ)	δ (mW/°C)	τ (Sec.)
★MF72-SCN5D-5	5	1	353	6	20
★MF72-SCN10D-5	10	0.7	771	6	20
MF72-SCN16D-5	16	0.5	1093	6	18
MF72-SCN20D-5	20	0.3	1878	6	18
★MF72-SCN5D-7	5	2	283	10	30
MF72-SCN8D-7	8	1	539	9	28
★MF72-SCN10D-7	10	1	616	9	27
MF72-SCN2.5D-9	2.5	4	128	11	35
★MF72-SCN3D-9	3	4	120	11	35
★MF72-SCN5D-9	5	3	210	11	34
MF72-SCN8D-9	8	2	400	11	32

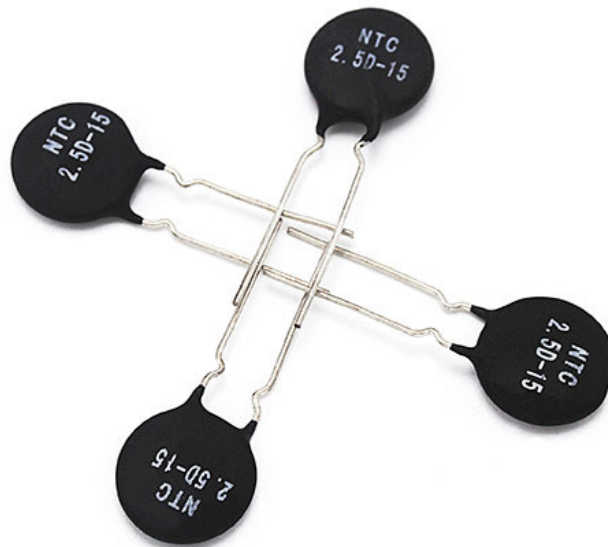
★MF72-SCN10D-9	10	2	458	11	32
MF72-SCN16D-9	16	1	802	11	31
MF72-SCN22D-9	22	1	950	11	30
MF72-SCN33D-9	33	1	1124	11	30
MF72-SCN2.5D-11	2.5	5	95	13	43
★MF72-SCN3D-11	3	5	126	13	45
★MF72-SCN5D-11	5	4	156	13	45
MF72-SCN8D-11	8	3	255	14	47
★MF72-SCN10D-11	10	3	275	14	47
MF72-SCN16D-11	16	2	470	14	50
MF72-SCN20D-11	20	2	613	14	52
★MF72-SCN2.5D-13	2.5	6	88	13	60
MF72-SCN3D-13	3	6	92	14	60
MF72-SCN4D-13	4	5	124	16	65
★MF72-SCN5D-13	5	5	125	15	68
MF72-SCN8D-13	8	4	194	15	60
★MF72-SCN10D-13	10	4	206	15	65
MF72-SCN1.5D-15	1.5	8	52	19	69
MF72-SCN2.5D-15	2.5	7	62	21	85
★MF72-SCN3D-15	3	7	75	18	76
★MF72-SCN5D-15	5	6	112	20	76
MF72-SCN8D-15	8	5	178	20	80
★MF72-SCN10D-15	10	5	180	20	75
MF72-SCN15D-15	15	4	268	21	85
MF72-SCN18D-15	18	3.5	100	21	85
MF72-SCN20D-15	20	3.5	287	20	80
MF72-SCN47D-15	47	3	680	21	86

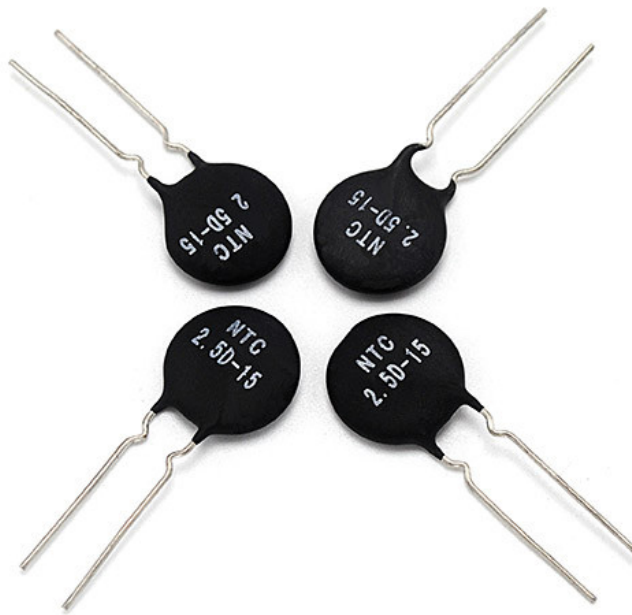
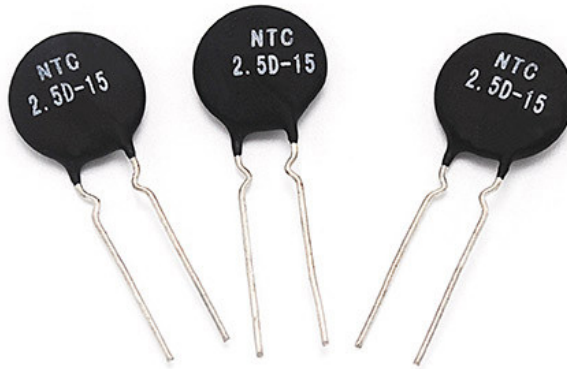
MF72-SCN5D-18	5	6	106	23	94
★MF72-SCN3D-20	3	8	55	24	88
★MF72-SCN5D-20	5	7	87	23	87
MF72-SCN8D-20	8	6	142	25	105
★MF72-SCN10D-20	10	6	194	23	118
MF72-SCN16D-20	16	5	210	24	100
MF72-SCN5D-25	5	8	70	32	125
MF72-SCN10D-25	10	7	140	30	120

Reliability

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 °C 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	$(-40^{\circ}\text{C} \times \rightarrow +25^{\circ}\text{C} \times 3\text{min}) \times 5\text{Cycles}$ $(-85^{\circ}\text{C} \times \rightarrow +25^{\circ}\text{C} \times 3\text{min}) \times 5\text{Cycles}$	$ \Delta R/R \leq \pm 20\%$
Humidity Test	45°C 95%RH×1000 hours	$ \Delta R/R \leq \pm 20\%$
Load Life	6 AMP×1000 hours	$ \Delta R/R \leq \pm 20\%$
Insulation Test	DC 700V	$R \geq 500\text{M}\Omega$

Product Shown




















Company Profile



History of Socay Group

 1998 Established Socay in Taiwan, China	 2003 Established Socay in Shenzhen, China	 2004 Built factory of GDT in Shenzhen	 2008 Built factory of GDT in Hebei	 2009 Established Socay in Kunshan
 2011 Built EMC Lab in Shenzhen	 2013 Established Socay in Shanghai, China	 2016 Built EMC Lab in Beijing	 2016 Built EMC Lab in Hangzhou	 2016 stock symbol: 839612
 2016 put into production for MOV/NTC in Hebei	 2017 Built EMC Lab in Shanghai	 2019 set up an office in Wuhan and Chengdu	 2020 EMC Lab obtains CNAS qualification	 2020 Shandong Industrial Park



Certification

Please consult the marketing department for certification of specific product types

1 	2 	3 	4 	5 	6 
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Awards & Qualification

More than 60 patents

listed company

CNAS EMC Lab

National High-Tech Enterprise

Lightning Protection Association Member Unit

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深圳市硕凯电子股份有限公司实验室于2020年4月2日 获得中国合格评定国家认可证书

名称: 深圳市硕凯电子股份有限公司实验室
地址: 广东省深圳市龙华区龙华街道民清路19号和恒兴科技园C栋厂房4楼
注册号: CNAS L13253
中国合格评定国家认可委员会
认可依据: ISO/IEC 17025:2017 以及 CNAS 特定认可要求
认证证书附件
生效日期: 2020年04月02日 截止日期: 2026年04月01日

附件3 认可的检测能力范围

序号	检测对象	项目/参数		检测标准(方法)	说明	生效日期
		序号	名称			
1	汽车零部件电子产品	1	零部件静电放电电压性能	道路车辆 电气电子产品对静电放电敏感性的试验方法 GB/T 19810-2019		2020-04-02
		2	汽车传导抗扰度	道路车辆 由传导耦合引起的电磁抗 第2部分传导骚扰的无线电传导 GB/T 21432.2-2020		2020-04-02
2	微电子电气产品	1	静电放电抗扰度	电磁兼容 试验和测量技术 静电放电抗扰度试验 GB/T 17626.2-2019		2020-04-02
		2	浪涌(冲击)抗扰度	电磁兼容 试验和测量技术 浪涌(冲击)抗扰度试验 GB/T 17626.3-2019		2020-04-02

NTC Produce Line



- 01
Automatic welding and sealing
- 02
Automated test and sorting
- 03
reliability experimental verification
- 04
Secondary sampling for shipment testing

Shipping Service



FAQ

FAQ

Q1: How can I get some samples ?

Socay: We are honored to offer you samples for free, but the new clients are expected to pay the express cost, and the charge will be deducted from the payment for formal order.

Q2: Are you a trading company or manufacturer?

Socay: We are a professional manufacturer of electrolytic capacitor since 2004.

Q3: What is your lead time?

Socay: There are no lead time for in-stock products. We can ship out within 1-3 days after you confirmed the payment. Customized product, we will ship out within our professional invoice show;

Q4: How about your warranty?

Socay: Under standard operating condition, we guarantee no less than 1 year.

Q5: Can you do OEM or ODM?

Socay: OEM and ODM are both acceptable. Please contact us for more details.

Q6: What should we do if there are quality problems?

Socay: If there is any quality problems or questions, we could offer technical support or return service.

Q7: Do you have a catalog?

Socay: Yes. Please contact us for catalog and latest price list. Pls check here.

Q8: Can I print my LOGO on it?

Socay: YES, LOGO/Sticker/OEM/ODM welcomed.

Q9: Can we ask support if get trouble?

Socay: Sure, if there is any quality problems or questions; we could offer technical support or return service.

Contact Information

[Please feel free to contact us if you have any question.](#)

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