



## MF52 Pearl-Shape Temperature Measurement NTC Thermistor With 3mW/C Dissipation Factor

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: MF52-BH Series MF52-103F3470FB2BH
- Minimum Order Quantity: 500PCS
- Price: Negotiable
- Packaging Details: Bulk
- Delivery Time: 5-7 days
- Payment Terms: T/T, Paypal, Western Union, Money gram
- Supply Ability: 250,000PCS Per Month



### Product Specification

- Features: MF52 Pearl-Shape Temperature Measurement NTC Thermistor
- Thermal Time Constant(s): 12
- Resistance(25 )(k $\Omega$ ):  $10 \pm 1\%$
- B Constant(25/85 )(K): --
- B Constant (25/50 )(K):  $3470 \pm 1\%$
- Type: Temperature Measurement NTC Thermistor
- Material: Rubber-covered Wire
- Dissipation Factor(mW/ :3
- Highlight: **MF52 NTC Thermistor,**  
**Pearl-Shape NTC Thermistor,**  
**3mW/C NTC Thermistor**



### More Images



## Product Description

### Product Description:

The NTC Thermistor has a thermal time constant of 12 seconds. This refers to the time it takes for the thermistor to reach 63.2% of its final resistance value when subjected to a step change in temperature. The NTC Thermistor also has a B constant of  $3470 \pm 1\%$  at 25/50 . The B constant is a measure of the sensitivity of the thermistor to changes in temperature. A higher B constant means that the thermistor is more sensitive to changes in temperature.

The NTC Thermistor is made with rubber-covered wire. This material provides good insulation and protection against environmental factors that may affect the performance of the thermistor. The NTC Thermistor also has a dissipation factor of 3mW/ . The dissipation factor is a measure of the amount of power that is dissipated by the thermistor when subjected to a change in temperature.

The NTC Thermistor is commonly used as an NTC temperature probe in temperature measurement applications. The NTC Thermistor is a reliable and accurate way to measure temperature in a wide range of applications. Whether you are measuring the temperature of a liquid or a gas, the NTC Thermistor is an ideal choice for your temperature measurement needs.

### Features:

Product Name: NTC Thermistor

Operating Ambient Temperature( ):  $-40 \sim +125$

Part Number: MF52-BH Series

B Constant(25/85 )(K): --

Features: MF52 Pearl-Shape Temperature Measurement NTC Thermistor

Type: Temperature Measurement NTC Thermistor

Keywords: Thermal Resistive Temperature Sensor, Thermal Resistor Element, Negative Temperature Coefficient Thermistor

### Technical Parameters:

Parameter	Value
Application	Temperature Measurement
Resistance(25 )(k $\Omega$ )	$10 \pm 1\%$
Material	Rubber-covered Wire
Enterprise Type	Co,Ltd
Thermal Time Constant(s)	12
Features	MF52 Pearl-Shape Temperature Measurement NTC Thermistor
Foot Length	Customizable
Standard	RoHS & Halogen Free (HF) Compliant
Operating Ambient Temperature( )	$-40 \sim +125$
Part Number	MF52-BH Series MF52-103F3470FB2BH

NTC (Negative Temperature Coefficient) Thermistor is a type of thermally sensitive resistor used for temperature measurement.

### Applications:

This product is manufactured in SHENZHEN GUANGDONG,CHINA and is certified by UL, REACH, ROHS, and ISO, ensuring its quality and safety. The minimum order quantity is 500PCS and the price is negotiable, with bulk packaging and a delivery time of 5-7 days.

Payment terms include T/T, Paypal, Western Union, and Money gram, and the supply ability is 250,000PCS per month.

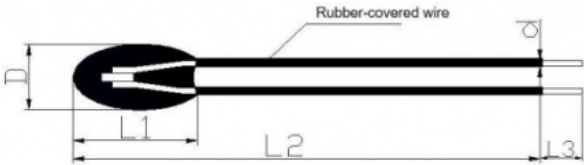
The NTC thermistor is ideal for a range of application occasions and scenarios. It can be used in temperature sensing in appliances such as refrigerators, air conditioners, and water heaters. It can also be used in temperature control systems in industrial automation, automotive, and aerospace industries.

The negative temperature coefficient thermistor is suitable for measuring temperatures in a wide range of environments, with an operating ambient temperature of  $-40 \sim +125$  . This feature makes it ideal for use in harsh environments such as factories, laboratories, and outdoor settings.

### Customization:

Our NTC (Negative Temperature Coefficient) Thermally Sensitive Resistor comes from the MF52-BH Series and has a part number of MF52-BH Series. It is RoHS & Halogen Free (HF) Compliant and has certifications from UL, REACH, ROHS, and ISO. The operating ambient temperature is from  $-40$  to  $+125$  . The minimum order quantity is 500PCS and the price is negotiable. The packaging details are

bulk and the delivery time is 5-7 days. We accept payment terms via T/T, Paypal, Western Union, and Money gram. Our supply ability is 250,000PCS Per Month. The enterprise type is Co, Ltd, and the place of origin is Shenzhen Guangdong, China.

Structure and Dimensions (Unit: mm)				
				
D (Max)	L1 (Max)	L2	d	L3
3.5	6.5	customizable	customizable	customizable

Electrical Characteristics						
Part Number	Resistance (25℃) (kΩ)	B Constant (25/50℃) (K)	B Constant (25/85℃) (K)	Dissipation Factor (mW/℃)	Thermal Time Constant (s)	Operating Ambient Temperature (℃)
MF52-202F3470FB2BH	2±1%	3470±1%	--	3	12	-40~+125
MF52-202F3550FB2BH	2±1%	3550±1%	--	3	12	-40~+125
MF52-202F3580FB2BH	2±1%	3580±1%	--	3	12	-40~+125
MF52-202F3950FB2BH	2±1%	3950±1%	--	3	12	-40~+125
MF52-502F3470FB2BH	5±1%	3470±1%	--	3	12	-40~+125
MF52-502F3950FB2BH	5±1%	3950±1%	--	3	12	-40~+125
MF52-103F3380FB2BH	10±1%	3380±1%	--	3	12	-40~+125
MF52-103F3435FA2BH	10±1%	--	3435±1%	3	12	-40~+125
MF52-103F3470FB2BH	10±1%	3470±1%	--	3	12	-40~+125
MF52-103F3450FA2BH	10±1%	--	3450±1%	3	12	-40~+125
MF52-103F3950FB2BH	10±1%	3950±1%	--	3	12	-40~+125
MF52-103F3977FA2BH	10±1%	--	3977±1%	3	12	-40~+125
MF52-103F4100FB2BH	10±1%	4100±1%	--	3	12	-40~+125
MF52-153F3950FB2BH	15±1%	3950±1%	--	3	12	-40~+125

MF52-203F3950FB2BH	20±1%	3950±1%	--	3	12	-40~+125
MF52-503F3950FB2BH	50±1%	3950±1%	--	3	12	-40~+125
MF52-503F3990FB2BH	50±1%	3990±1%	--	3	12	-40~+125
MF52-503F4050FB2BH	50±1%	4050±1%	--	3	12	-40~+125
MF52-104F3950FB2BH	100±1%	3950±1%	--	3	12	-40~+125
MF52-104F3990FB2BH	100±1%	3990±1%	--	3	12	-40~+125
MF52-104F4200FB2BH	100±1%	4200±1%	--	3	12	-40~+125

### Support and Services:

Our NTC Thermistor products come with a comprehensive technical support package to ensure that any issues you encounter are promptly resolved. Our team of experienced engineers can provide guidance and troubleshooting assistance to diagnose and solve any problems that may arise during installation, calibration, or use of our products.

In addition to technical support, we also offer a range of services to help you get the most out of our NTC Thermistor products. These services include product customization, design and development assistance, and training and education programs to ensure that you have the knowledge and expertise needed to successfully implement our products in your applications.

### Packing and Shipping:

Product Packaging:

The NTC thermistors will be packaged in a protective plastic bag to prevent any damage during transit.

The plastic bag will be placed in a sturdy cardboard box with proper cushioning material to ensure that the product remains safe during shipping.

The box will be sealed with packaging tape and labeled with the product name, quantity, and any other relevant information.

Shipping:

The product will be shipped via a reliable courier service to ensure timely and safe delivery.

The shipping charges will be calculated based on the weight and destination of the package.

The customer will receive a tracking number to track the status of their shipment.

## FAQ:

**Q:** What is the brand name of the NTC Thermistor?

**A:** The brand name of the NTC Thermistor is SOCAY.

**Q:** What is the model number of the NTC Thermistor?

**A:** The model number of the NTC Thermistor is MF52-BH Series.

**Q:** What is the place of origin for the NTC Thermistor?

**A:** The place of origin for the NTC Thermistor is SHENZHEN GUANGDONG, CHINA.

**Q:** What certifications does the NTC Thermistor have?

**A:** The NTC Thermistor is certified with UL, REACH, ROHS, and ISO certifications.

**Q:** What is the minimum order quantity for the NTC Thermistor?

**A:** The minimum order quantity for the NTC Thermistor is 500PCS.

**Q:** What is the price of the NTC Thermistor?

**A:** The price of the NTC Thermistor is negotiable.

**Q:** What are the packaging details for the NTC Thermistor?

**A:** The packaging details for the NTC Thermistor is bulk packaging.

**Q:** What is the delivery time for the NTC Thermistor?

**A:** The delivery time for the NTC Thermistor is 5-7 days.

**Q:** What are the payment terms for the NTC Thermistor?

**A:** The payment terms for the NTC Thermistor are T/T, Paypal, Western Union, and Money gram.

**Q:** What is the supply ability of the NTC Thermistor?

**A:** The supply ability of the NTC Thermistor is 250,000PCS per month.



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