



## High Precision NTC Thermistor With 3mW/C Dissipation Factor And 2±1% Resistance 25C KΩ

Our Product Introduction

for more products please visit us on [socaydiode.com](http://socaydiode.com)

### Basic Information

- Place of Origin: SHENZHEN GUANGDONG, CHINA
- Brand Name: SOCAY
- Certification: UL, REACH, ROHS, ISO
- Model Number: MF52-BH Series
- 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
- Foot Length: Customizable
- Application: Temperature Measurement
- Material: Rubber-covered Wire
- Enterprise Type: Co., Ltd
- Dissipation Factor(mW/ :3
- Thermal Time Constant(s): 12
- Part Number: MF52-BH Series
- Highlight: **High Precision NTC Thermistor, 25C kΩ NTC Thermistor, 3mW/C NTC Thermistor**



### More Images



## Product Description

### Product Description:

The NTC Thermistor is part of the MF52-BH Series, a versatile line of Negative Temperature Coefficient Thermistors that can operate in a wide range of temperatures. With an operating ambient temperature range of  $-40 \sim +125$ , this thermistor can be used in extreme environments without compromising its accuracy and performance.

One of the key features of the NTC Thermistor is its thermal time constant of 12 seconds, which refers to the time it takes for the thermistor to reach 63.2% of its final temperature when subjected to a step change in temperature. This makes it highly responsive to changes in temperature, allowing for accurate and precise temperature measurements.

The NTC Thermistor's foot length is customizable, making it easy to integrate into various types of temperature sensing devices. Whether it's being used in a simple temperature probe or a complex thermal imaging system, this thermistor can be tailored to fit the unique requirements of any application.

Another important attribute of the NTC Thermistor is its dissipation factor of 3 mW/ , which reflects the amount of power that can be safely dissipated by the thermistor without causing damage. This makes it well-suited for use in high-power applications where accurate temperature measurements are critical.

Overall, the NTC Thermistor is a reliable and precise temperature sensing solution that delivers consistent and accurate results in a wide range of applications. Whether you're building a simple temperature sensor or a complex thermal imaging system, this Negative Temperature Coefficient Thermistor is an excellent choice that won't disappoint.

### Features:

Product Name: NTC Thermistor

Dissipation Factor(mW/ ): 3

Standard: RoHS & Halogen Free (HF) Compliant

Foot Length: Customizable

Features: MF52 Pearl-Shape Temperature Measurement NTC Thermistor

Thermal Time Constant(s): 12

Keywords: Negative Temperature Coefficient Resistor, NTC, NTC Thermally Sensitive Device

### Technical Parameters:

Brand Name:	SOCAY
Part Number:	MF52-BH Series
Type:	Temperature Measurement NTC Thermistor
Material:	Rubber-covered Wire
Features:	MF52 Pearl-Shape Temperature Measurement NTC Thermistor
Resistance(25 )(k $\Omega$ ):	2 $\pm$ 1%
B Constant (25/50 )(K):	3470 $\pm$ 1%
B Constant(25/85 )(K):	--
Foot Length:	Customizable
Enterprise Type:	Co,Ltd

### Applications:

The MF52-BH Series thermistor has a part number of MF52-BH and a customizable foot length. This product is mainly used for temperature measurement due to its ability to detect changes in temperature and produce a corresponding resistance change. The resistance at 25 is 2 $\pm$ 1% k $\Omega$ .

The NTC thermistor can be used in various application occasions and scenarios such as:

Temperature sensing in automobiles, air conditioners, and refrigerators

Temperature control and monitoring in industrial equipment, power supplies, and battery management systems

Temperature compensation in electronic circuits such as amplifiers, oscillators, and filters

Thermal protection in electronic devices such as computers, printers, and telecommunication equipment

Overall, the MF52-BH Series NTC Thermistor from SOCAY is a reliable and versatile product that can be used in a variety of temperature sensing and control applications.

### Customization:

Brand Name: SOCAT  
Model Number: MF52-BH Series  
Place of Origin: SHENZHEN GUANGDONG, CHINA  
Certification: UL, REACH, ROHS, ISO  
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  
Thermal Time Constant(s): 12  
Features: MF52 Pearl-Shape Temperature Measurement NTC Thermistor  
Operating Ambient Temperature( ): -40 ~ +125  
Type: Temperature Measurement NTC Thermistor  
Our NTC Thermistor is also known as a Thermometric Resistor or Thermometric Resistor. We offer customization services to meet your specific requirements.



### Support and Services:

Our NTC Thermistor product comes with the following technical support and services:

- Assistance with product selection and application
- Customization for specific application requirements
- Technical documentation and datasheets
- Quality assurance and testing
- Warranty and repair services
- On-site technical support and troubleshooting
- Training and education on product usage and application



+8618126201429



sylvia@socay.com



socaydiode.com

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