NTC Thermistor -40 125C Operating Ambient Temperature For Energy Management Systems

Our Product Introduction

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: 250,0000PCS Per Month

Product Specification

- Features: MF52 Pearl-Shape Temperature Measurement NTC Thermistor
- Foot Length: Customizable
- Standard: RoHS & Halogen Free (HF) Compliant
- B Constant (25/50)(K): 3550±1%
- Operating Ambient Temperature( ):   -40 ~ +125
- B Constant(25/85)(K): --
- Resistance(25)(kΩ):   2±1%
- Material: Rubber-covered Wire
- Highlight: **125C NTC Thermistor**,
                              Pearl-Shape NTC Thermistor,
                              Energy Management Systems NTC Thermistor

More Images

Product Description

Product Description:

The NTC Thermistor is a small, low-cost, and highly reliable device that is used in a wide range of applications that require accurate temperature measurement. The device features an MF52 Pearl-Shape design that allows it to be easily installed in a variety of applications. The NTC Thermistor is designed to operate over a wide temperature range, and can measure temperatures from -40 to +125 .

The NTC Thermistor is a versatile device that can be used in a variety of applications, including temperature sensing in air conditioning systems, refrigeration systems, and other industrial applications. The device is also commonly used in medical applications, such as body temperature measurement, and can be used in consumer electronics, such as smartphones and tablets.

The NTC Thermistor is a highly reliable device that is designed to provide accurate temperature measurement in a variety of harsh environments. The device is made from high-quality materials that are designed to withstand extreme temperatures and harsh conditions. Additionally, the NTC Thermistor is designed to have a long lifespan, which ensures that it will provide reliable temperature measurement for many years.

If you are looking for a reliable and accurate temperature measurement NTC Thermistor, the NTC Thermistor is an excellent choice. With its MF52 Pearl-Shape design, wide temperature range, and high reliability, the NTC Thermistor is the perfect device for a wide range of temperature measurement applications.

Features:

Product Name: NTC Thermistor

Application: Temperature Measurement

Standard: RoHS & Halogen Free (HF) Compliant

Thermal Time Constant(s): 12

Dissipation Factor(mW/): 3

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

This NTC Thermistor, also known as a Negative Temperature Coefficient Thermistor, is a Thermistor Temperature Sensor suitable for temperature measurement. It is RoHS and Halogen Free (HF) Compliant, has a thermal time constant of 12, a dissipation factor of 3mW/ , and a B constant of -- at 25/85 .

Technical Parameters:

Attribute	Value
Type	Temperature Measurement NTC Thermistor
Application	Temperature Measurement
Resistance(25)(kΩ)	2±1%
Thermal Time Constant(s)	12
Dissipation Factor(mW/)	3
Brand Name	SOCAY
Part Number	MF52-BH Series
Material	Rubber-covered Wire
Standard	RoHS & Halogen Free (HF) Compliant
B Constant(25/85)(K)	--

This NTC Thermistor is a thermosensitive transducer, thermal resistive temperature sensor, and thermometric resistor.

Part Number Code

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MF52 - 103  F  3950  F  B  1  BH  050  X  20
 (1)    (2) (3) (4)  (5)(6)(7)(8)  (9) (10)(11)
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(1) MF52: NTC Thermistor.

(2) 103: Nominal Zero-Power Resistance at 25℃: 222=2.2kΩ; 103=10kΩ.

(3) F: Tolerance of Resistance: F: ±1%; H: ±3%; J: ±5%.

(4) 3950: B Constant: 3950=3950K.

(5) F: Tolerance of B Constant: F: ±1%.

(6) B: B Constant Calculation Method: A: 25℃ & 85℃; B: 25℃ & 50℃.

(7) 1: Wire Color: 1: Red; 2: Black.

(8) BH: Rubber-covered Wire.

(9) 050: 50mm, Overall Length.

(10) X: Solder Dip of Wire Tail: X: Tinning; N: Non-tinning.

(11) 20: 2.0mm, Tail Length.

Applications:

The SOCAY MF52-BH Series NTC Thermistor is a high-quality temperature measurement device that is widely used in various industries. With its negative temperature coefficient resistor properties, it provides accurate and reliable temperature measurements in a wide range of applications.

One of the primary applications of the SOCAY NTC Thermistor is in temperature sensing circuits. It is commonly used in temperature control systems for various electronic devices, including computers, refrigerators, and air conditioners. The NTC Thermistor can detect temperature changes and adjust the system accordingly, ensuring that the device operates efficiently and reliably.

Another common application of the SOCAY NTC Thermistor is in automotive temperature sensing systems. The NTC Thermistor can measure the temperature of the engine and other critical components, allowing the system to adjust accordingly. This helps to prevent overheating and other temperature-related issues, ensuring that the vehicle operates safely and reliably.

The SOCAY NTC Thermistor is also used in industrial temperature sensing systems. It can measure the temperature of various manufacturing processes and equipment, ensuring that they operate at optimal temperatures. This helps to improve efficiency and reduce downtime, resulting in increased productivity and profitability.

Other common applications for the SOCAY NTC Thermistor include temperature measurement and control in medical equipment, such as incubators and surgical instruments, and in environmental monitoring systems, such as weather stations.

The SOCAY MF52-BH Series NTC Thermistor is made of high-quality rubber-covered wire and has an operating ambient temperature range of -40 to +125 . It has a thermal time constant of 12 seconds and is certified by UL, REACH, ROHS, and ISO. The minimum order quantity is 500PCS, and the packaging details are bulk. The delivery time is 5-7 days, and payment terms include T/T, Paypal, Western Union, and Money gram. The supply ability is 250,0000PCS per month, and the price is negotiable.

Customization:

Our NTC Thermistor product is sourced from SHENZHEN GUANGDONG,CHINA and has certifications including UL, REACH, ROHS, and ISO. 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 offer flexible payment terms such as T/T, Paypal, Western Union, and Money gram. Our supply ability is 250,0000PCS Per Month.

Support and Services:

Our NTC Thermistors are precision temperature sensors used in a variety of applications, such as temperature control and measurement. We offer a range of technical support and services to ensure our customers are able to fully utilize the capabilities of our product:

Product datasheets and technical specifications

Application notes and design guides

Customized solutions and product development assistance

Testing and analysis services

Expert consultation and troubleshooting support