12s Response Time MF52-CP Serise MF52-202F3470FBCP Temperature Monitoring NTC Thermistor

Our Product Introduction

Basic Information

- Place of Origin: SHENZHEN GUANGDONG,CHINA
- Brand Name: SOCAY
- Certification: UL,REACH,ROHS,ISO
- Model Number: MF52-202F3470FBCP
- 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

- Thermal Time Constant(s): 12
- Enterprise Type: Co,Ltd
- Part Number: MF52-202F3470FBCP
- Foot Length: Customizable
- Dissipation Factor(mW/ :3
- Resistance(25)(kΩ): 2±1%
- B Constant (25/50)(K): 3470±1%
- Highlight: **12s Response Time NTC Thermistor**, **MF52-CP Serise NTC Thermistor**, **Temperature Monitoring NTC Thermistor**

More Images

Our Product Introduction

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Product Description

Product Description:

The NTC Thermistor is a high-quality device that features a thermal time constant of 12 seconds. This means that it can detect temperature changes quickly and accurately. It is a MF52 Pearl-Shape Temperature Measurement NTC Thermistor, which is known for its reliability and precision.
The NTC Thermistor has a B constant of 3470±1% at 25/50 . This is an important attribute as it determines the accuracy of the temperature measurement. The NTC Thermistor is designed to meet the RoHS and Halogen Free (HF) compliant standards, which makes it environmentally friendly and safe for use in various applications.
The NTC Thermistor has a dissipation factor of 3mW/ , which means that it can dissipate heat efficiently and prevent damage to the device. This makes it a reliable and durable component for temperature sensing and control applications.
In summary, the NTC Thermistor is a high-quality, reliable, and precise device that is ideal for temperature measurement and control applications. It is a NTC thermally sensitive device with a negative temperature coefficient resistor that detects temperature changes quickly and accurately. It has a thermal time constant of 12 seconds, a B constant of 3470±1% at 25/50 , and a dissipation factor of 3mW/ . Additionally, it meets the RoHS and Halogen Free (HF) compliant standards, making it environmentally friendly and safe for use in various applications.

Features:

Product Name: NTC Thermistor
Standard: RoHS & Halogen Free (HF) Compliant
B Constant (25/50)(K): 3470±1%
Enterprise Type: Co,Ltd
B Constant(25/85)(K): --
Brand Name: SOCAY
Product Type: Thermal Resistive Temperature Sensor
Also known as: Thermally Sensitive Resistor, Thermosensitive Transducer

Technical Parameters:

Foot Length:	Customizable
B Constant(25/85)(K):	--
Enterprise Type:	Co,Ltd
Features:	MF52 Pearl-Shape Temperature Measurement NTC Thermistor
Part Number:	MF52-202F3470FBCP
Material:	CP Wire
Application:	Temperature Measurement
B Constant (25/50)(K):	3470±1%
Thermal Time Constant(s):	12
Type:	MF52-CP Serise

Applications:

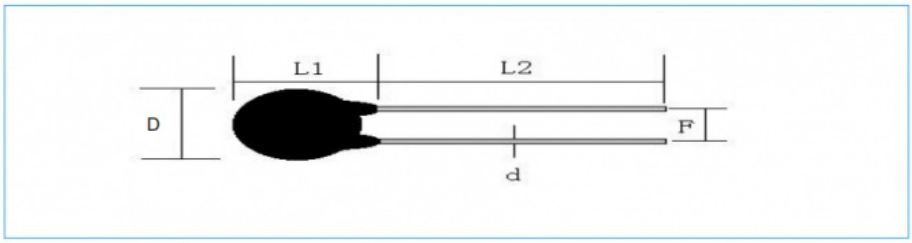
SOCAY is a Co,Ltd enterprise that produces high-quality NTC thermally sensitive devices like the MF52-CP Series Negative Temperature Coefficient Thermistor. These products are made in SHENZHEN GUANGDONG, CHINA, and come with UL, REACH, ROHS, and ISO certifications, ensuring that they meet global quality standards.
The SOCAY MF52-CP Series Negative Temperature Coefficient Thermistor is a reliable and accurate temperature measuring tool that is suitable for a wide range of applications. With a resistance of 2±1% at 25 and a thermal time constant of 12 seconds, this thermistor can provide accurate and precise temperature readings in various scenarios.
The SOCAY MF52-CP Series Negative Temperature Coefficient Thermistor can operate effectively in a temperature range of -40 to +125 , making it ideal for use in harsh environments. The thermistor's negative temperature coefficient ensures that its resistance decreases as the temperature increases, making it an excellent choice for temperature measurement applications.
The SOCAY MF52-CP Series Negative Temperature Coefficient Thermistor is commonly used in various devices and equipment, including temperature sensors, thermostats, and HVAC systems. This thermistor can also be used in automotive, medical, and industrial applications that require precise temperature control and monitoring.
The SOCAY MF52-CP Series Negative Temperature Coefficient Thermistor is available for purchase in bulk, with a minimum order quantity of 500 pieces. The price is negotiable, and the thermistors are delivered within 5-7 days. Payment options include T/T, Paypal, Western Union, and Money Gram. SOCAY can supply up to 250,0000 pieces of these thermistors per month, making it an ideal supplier for large-scale projects.

Overall, the SOCAY MF52-CP Series Negative Temperature Coefficient Thermistor is a reliable, accurate, and versatile temperature measuring tool that can be used in various scenarios. With its high-quality construction, certifications, and competitive pricing, it is an excellent choice for individuals and businesses looking for a dependable thermally sensitive device.

Customization:

Our NTC thermistors are designed to provide accurate and reliable temperature sensing in a wide range of applications, from industrial control systems to consumer electronics. With a minimum order quantity of 500PCS and negotiable pricing, we make it easy to get the high-quality temperature probe you need without breaking the bank.
Our MF52-CP Series MF52-202F3470FBCP NTC thermistors feature a thermal time constant of 12 seconds, dissipation factor of 3 mW/ , and an operating ambient temperature range of -40 ~ +125 . They are also available with the part number MF52-202F3470FBCP, making it easy to find the exact product you need for your specific application.
Ordering from SOCAY also means getting fast and reliable delivery times, with a typical lead time of just 5-7 days. We accept a range of payment options, including T/T, Paypal, Western Union, and Money gram, and we offer a supply ability of up to 250,0000PCS per month. So why wait? Contact us today to learn more about our NTC thermistors and how they can help you improve the performance and reliability of your temperature sensing applications.

Structure and Dimensions (Unit: mm)



D (Max)	L1 (±1.0)	L2 (Min)	d (+0.1)	F (+0.5)
3.0	3.5	20	0.4 customizable	2.0 customizable

Part Number Code

MF52 - 103 F 3950 F B CP
(1) (2) (3) (4) (5) (6) (7)

(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) CP: CP Wire.

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 (℃)
MF52-202F3470FBCP	2±1%	3470±1%	--	3	12	-40~+125
MF52-202F3550FBCP	2±1%	3550±1%	--	3	12	-40~+125
MF52-202F3580FBCP	2±1%	3580±1%	--	3	12	-40~+125
MF52-202F3950FBCP	2±1%	3950±1%	--	3	12	-40~+125
MF52-502F3470FBCP	5±1%	3470±1%	--	3	12	-40~+125
MF52-502F3950FBCP	5±1%	3950±1%	--	3	12	-40~+125
MF52-103F3380FBCP	10±1%	3380±1%	--	3	12	-40~+125
MF52-103F3435FACP	10±1%	--	3435±1%	3	12	-40~+125
MF52-103F3470FBCP	10±1%	3470±1%	--	3	12	-40~+125
MF52-103F3450FACP	10±1%	--	3450±1%	3	12	-40~+125
MF52-103F3950FBCP	10±1%	3950±1%	--	3	12	-40~+125
MF52-103F3977FACP	10±1%	--	3977±1%	3	12	-40~+125
MF52-103F4100FBCP	10±1%	4100±1%	--	3	12	-40~+125
MF52-153F3950FBCP	15±1%	3950±1%	--	3	12	-40~+125
MF52-203F3950FBCP	20±1%	3950±1%	--	3	12	-40~+125

MF52-503F3950FBCP	50±1%	3950±1%	--	3	12	-40~+125
MF52-503F3990FBCP	50±1%	3990±1%	--	3	12	-40~+125
MF52-503F4050FBCP	50±1%	4050±1%	--	3	12	-40~+125
MF52-104F3950FBCP	100±1%	3950±1%	--	3	12	-40~+125
MF52-104F3990FBCP	100±1%	3990±1%	--	3	12	-40~+125
MF52-104F4200FBCP	100±1%	4200±1%	--	3	12	-40~+125

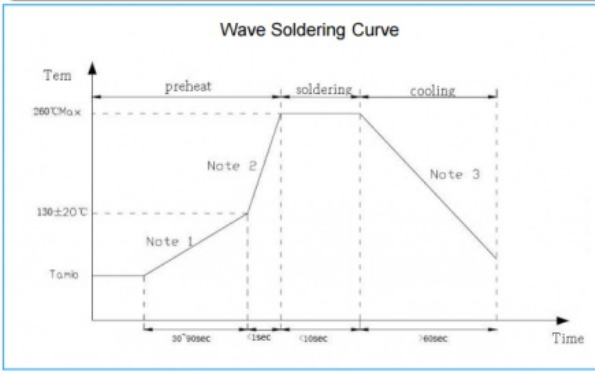
Storage Conditions of Products

- Storage Conditions:
  Storage Temperature: -10℃ ~ +40℃.
  Relative Humidity: ≤75%RH.
  Keep Away From Corrosive Atmosphere and Sunlight.
- Period of Storage: 1 Year.

Reliability

Test Description	Standard	Test Condition	Test Requirement
Solder Ability	IEC 60068-2-20	245 ± 3℃, 3 ± 0.3 secs.	Above 95% in the terminal surface shall be with new solder
Resistance to Soldering Heat	IEC 60068-2-20	260±5℃, 10±1 secs.	No visible damage △R25/R25≤±3%
Low Temperature Storage	IEC 60068-2-1	-40±5℃, 1000±24 hrs.	No visible damage △R25/R25≤±3%
High Temperature Storage	IEC 60068-2-2	125±5℃, 1000±24 hrs.	No visible damage △R25/R25≤±3%
Damp Heat, Steady State	IEC 60068-2-78	40±2℃, 90～95%RH, 1000±24 hrs.	No visible damage △R25/R25≤±3%

Recommended Welding Conditions



Note 1: (1~3)℃/sec.
Note 2: 200℃/sec.
Note 3: 5℃/sec max.

Heavy Soldering Conditions

Project	Condition
Soldering Iron Head Temperature	360℃ (max)
Weld Time	3 secs. (max)
Distance Between Welding Position and Coating Layer	2 mm (min)

Packing Specification

Part Number	Quantity
MF52-CP Series	500 pcs/bag

Warning

- SOCAY owns the rights to a number of patents, trademarks, copyrights, trade secrets, and other intellectual property.
- SOCAY reserves the right to make changes without further notice to any products herein.
- SOCAY makes no warranties, representations or warranties as to the fitness of its products for any particular purpose, and disclaims any liability.
- The parameters provided in the SOCAY datasheet specification may vary from application to application, and the actual performance may vary over time. All operating parameters must be verified by the customer's technical expert before application.
- Any and all responsibilities and liabilities are disclaimed if any item under this notice of warning is not complied with.

Support and Services:

Our NTC thermistors offer high accuracy temperature sensing for a wide range of applications. Our technical support team is available to

assist with any product inquiries or issues. We also offer services such as calibration, customization, and on-site training to ensure optimal performance and integration of our NTC thermistors into your systems. Contact us for more information.

Packing and Shipping:

Product Packaging:
The NTC Thermistor product will be packaged securely to ensure safe transportation and delivery. The product will be placed in a sturdy cardboard box with sufficient padding to prevent any damage during shipping.
Shipping:
The NTC Thermistor product will be shipped via a reliable courier service with tracking information provided to the customer. Shipping times may vary depending on the destination, but we will make every effort to ensure timely delivery.

FAQ:

Q1. What is the brand name of the NTC Thermistor?
A1. The brand name of the NTC Thermistor is SOCAY.
Q2. What is the model number of the NTC Thermistor?
A2. The model number of the NTC Thermistor is MF52-CP Series.
Q3. Where is the NTC Thermistor manufactured?
A3. The NTC Thermistor is manufactured in SHENZHEN GUANGDONG,CHINA.
Q4. What certifications does the NTC Thermistor have?
A4. The NTC Thermistor has UL,REACH,ROHS,ISO certifications.
Q5. What is the minimum order quantity for the NTC Thermistor?
A5. The minimum order quantity for the NTC Thermistor is 500PCS.
Q6. What is the price of the NTC Thermistor?
A6. The price of the NTC Thermistor is negotiable.
Q7. What are the packaging details for the NTC Thermistor?
A7. The packaging details for the NTC Thermistor is bulk.
Q8. What is the delivery time for the NTC Thermistor?
A8. The delivery time for the NTC Thermistor is 5-7 days.
Q9. What are the payment terms for the NTC Thermistor?
A9. The payment terms for the NTC Thermistor are T/T,Paypal,Western Union,Money gram.
Q10. What is the supply ability for the NTC Thermistor?
A10. The supply ability for the NTC Thermistor is 250,0000PCS per month.

SOCAY® **Shenzhen Socay Electronics Co., Ltd.**

+8618126201429 sylvia@socay.com socaydiode.com

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