



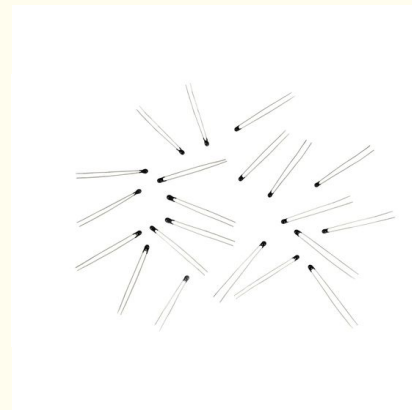
MF52-CP Serise MF52-202F3950FBCP Pearl Shape Temperature Measurement Thermistor

Our Product Introduction

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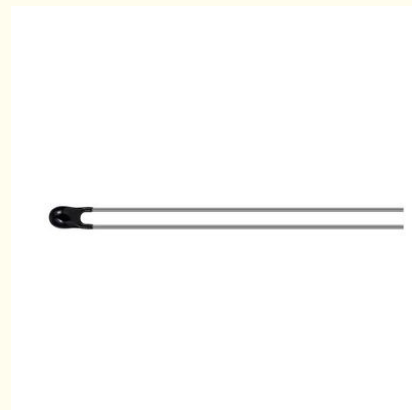
Basic Information

- Place of Origin: SHENZHEN GUANGDONG,CHINA
- Brand Name: SOCAY
- Certification: UL,REACH,ROHS,ISO
- Model Number: MF52-202F3950FBCP
- 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
- Part Number: MF52-202F3950FBCP
- Type: MF52-202F3950FBCP
- Resistance(25)(k Ω): $2 \pm 1\%$
- Operating Ambient Temperature(): $-40 \sim +125$
- Foot Length: Customizable
- Thermal Time Constant(s): 12
- Dissipation Factor(mW/ :3
- Highlight: MF52-CP Serise Thermistor,
Pearl Shape Thermistor,
MF52-202F3950FBCP Thermistor



More Images



Product Description

Product Description:

NTC thermistors are commonly used in temperature measurement and control applications due to their high sensitivity and accuracy. The MF52-202F3950FBCP is no exception, as it is designed for use in various temperature sensing and compensation applications. Its customizable foot length also allows for flexibility in design and installation.

One of the key advantages of this NTC thermistor product is its quick response time, thanks to its thermal time constant of 12 seconds.

This means that it can accurately measure and respond to changes in temperature within a relatively short period of time. Additionally, its high accuracy and stability ensure consistent performance over time.

The MF52-202F3950FBCP is ideal for use in a variety of industries and applications, such as automotive, consumer electronics, medical, and industrial equipment. Its versatility and reliability make it a popular choice for temperature sensing and control in a wide range of settings.

Features:

Product Name: NTC Thermistor

Foot Length: Customizable

Operating Ambient Temperature(): -40 ~ +125

Enterprise Type: Co,Ltd

Material: CP Wire

Type: MF52-CP Serie

Thermal Resistor Element: Yes

Negative Temperature Coefficient Thermistor: Yes

NTC Temperature Probe: Yes

Technical Parameters:

Type	MF52-202F3950FBCP
Operating Ambient Temperature()	-40 ~ +125
Features	MF52 Pearl-Shape Temperature Measurement NTC Thermistor
Foot Length	Customizable
Thermal Time Constant(s)	12
B Constant (25/50)(K)	3950±1%
Material	CP Wire
Application	Temperature Measurement
Enterprise Type	Co,Ltd
Standard	RoHS & Halogen Free (HF) Compliant

Thermosensitive Transducer, Negative Temperature Coefficient Thermistor, NTC Thermally Sensitive Device

Applications:

The SOCAP MF52-CP Series MF52-202F3950FBCP NTC Thermistor is a high-quality temperature measurement tool that is manufactured in SHENZHEN GUANGDONG, CHINA by SOCAP, a reputable Co, Ltd enterprise type. It is RoHS and Halogen Free (HF) compliant and UL, REACH, ROHS, and ISO certified, ensuring high-quality and safety standards.

The NTC Thermistor is a Negative Temperature Coefficient Resistor that is used in various temperature measurement applications. With a resistance of $2\pm1\%$ at 25 , this product is perfect for measuring temperatures accurately.

The SOCAP MF52-CP Series MF52-202F3950FBCP NTC Thermistor is an ideal product for a range of different occasions and scenarios. For example, it can be used in industrial settings for temperature sensing and control, as well as in consumer electronics for temperature monitoring and regulation. It is also suitable for use in automotive applications, such as engine temperature monitoring.

With a minimum order quantity of 500PCS and negotiable pricing, this product is highly accessible to businesses of all sizes. It comes packaged in bulk and has a delivery time of 5-7 days, making it a reliable and efficient choice for businesses in need of high-quality temperature measurement tools.

Payment terms for the SOCAP MF52-CP Series MF52-202F3950FBCP NTC Thermistor include T/T, Paypal, Western Union, and Money gram. The product has a supply ability of 250,000PCS per month, ensuring that businesses can access the product in high volumes when required.

In summary, the SOCAP MF52-CP Series MF52-202F3950FBCP NTC Thermistor is a reliable and efficient temperature measurement tool that is suited to a range of different applications. Its Negative Temperature Coefficient Resistor design ensures accurate temperature measurement and regulation, while its certifications and compliance with safety standards make it a safe and reliable choice for

businesses.

Customization:

Our NTC thermistors are made using the highest quality materials and are designed to provide accurate and reliable readings in even the most demanding environments. With a customizable foot length and a resistance of 2±1% at 25 , our thermistors are sure to meet your specific needs.

In addition to our high-quality thermistors, we also offer a range of customization services to help you get the most out of your purchase.

Whether you need a specific part number, customized packaging, or something else entirely, our team of experts is here to help.

And with certifications from UL, REACH, ROHS, and ISO, you can trust that our products meet the highest quality standards. Plus, with a minimum order quantity of just 500pcs and flexible payment terms including T/T, Paypal, Western Union, and Money gram, ordering from SOCAY is easy and convenient.

So why wait? Contact us today to learn more about our NTC thermistors and how we can help you find the perfect thermosensitive transducer for your needs.

Product Details:

Brand Name: SOCAY

Model Number: MF52-202F3950FBCP

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

Foot Length: Customizable

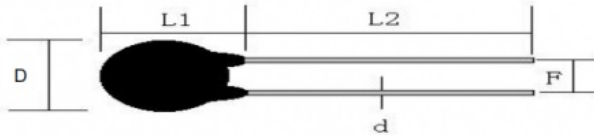
Resistance(25)(kΩ): 2±1%

Application: Temperature Measurement

Part Number: MF52-202F3950FBCP

Enterprise Type: Co,Ltd

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

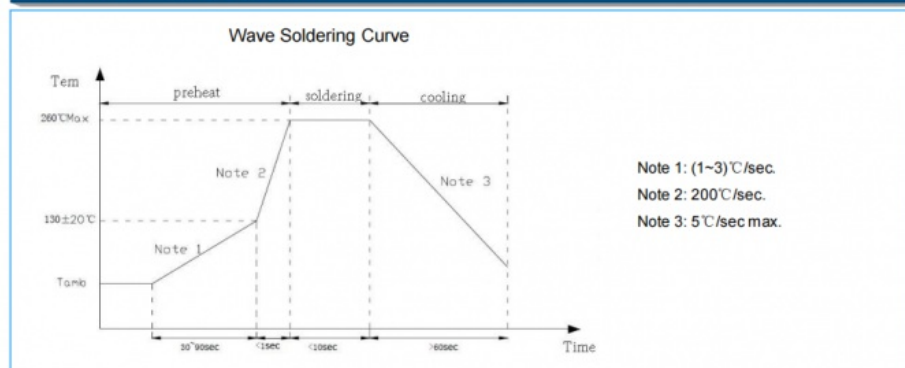
Storage Conditions of Products

- ◆ 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 $\Delta R_{25}/R_{25} \leq \pm 3\%$
Low Temperature Storage	IEC 60068-2-1	-40±5℃, 1000±24 hrs.	No visible damage $\Delta R_{25}/R_{25} \leq \pm 3\%$
High Temperature Storage	IEC 60068-2-2	125±5℃, 1000±24 hrs.	No visible damage $\Delta R_{25}/R_{25} \leq \pm 3\%$
Damp Heat, Steady State	IEC 60068-2-78	40±2℃, 90~95%RH, 1000±24 hrs.	No visible damage $\Delta R_{25}/R_{25} \leq \pm 3\%$

Recommended Welding Conditions



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 Thermistor product comes with comprehensive technical support and services to ensure the best performance and reliability. Our team of experts is available to assist with any technical inquiries and troubleshooting needs. We also offer customization services to tailor our product to your specific requirements. Additionally, we provide documentation and resources to help with installation, operation, and maintenance of our product. Contact us to learn more about our product technical support and services.

Packing and Shipping:

Product Packaging:

The NTC Thermistor product will be packaged in a sturdy cardboard box to ensure safe transport.

The thermistors will be individually wrapped in plastic to prevent damage during shipping.

The packaging will include a user manual and a warranty card.

Shipping:

The NTC Thermistor product will be shipped via a reliable courier service.

The shipping cost will be determined by the destination and speed of delivery.

Customers will be provided with a tracking number to track their shipment.

The estimated delivery time will vary based on the destination.

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, and ISO certifications.

Q5: What is the minimum order quantity for the NTC Thermistor and how is it packaged?

A5: The minimum order quantity for the NTC Thermistor is 500pcs and it is packaged in bulk. The price is negotiable and the delivery time is 5-7 days. Payment terms include T/T, Paypal, Western Union, and Money gram. The supply ability is 250,000PCS 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