



## RoHS Compliant MF52-103F3435FACP Thermistor With Customizable Foot Length

Our Product Introduction

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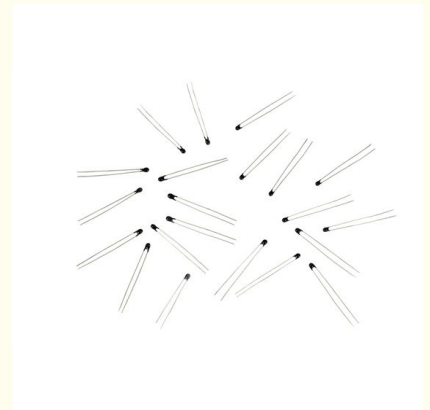
### Basic Information

- Place of Origin: SHENZHEN GUANGDONG, CHINA
- Brand Name: SOCAY
- Certification: UL, REACH, ROHS, ISO
- Model Number: MF52-103F3435FACP
- Minimum Order Quantity: 500 PCS
- Price: Negotiable
- Packaging Details: Bulk
- Delivery Time: 5-7 days
- Payment Terms: T/T, Paypal, Western Union, Money gram
- Supply Ability: 250,000 PCS Per Month



### Product Specification

- Foot Length: Customizable
- Part Number: MF52-103F3435FACP
- Standard: RoHS & Halogen Free (HF) Compliant
- Type: MF52-103F3435FACP
- Resistance(25 )(kΩ): --
- B Constant(25/85 )(K): 10±1%
- Dissipation Factor(mW/ :3
- Material: CP Wire
- Highlight: Customizable Foot Length Thermistor, MF52-103F3435FACP Thermistor, MF52-103F3435FACP



### More Images



## Product Description

### Product Description:

The MF52-202F3470FBCP NTC Thermistor is made with CP Wire material, which ensures durability and longevity of the product. This particular thermistor features a unique pearl shape, which makes it easy to install and use in a variety of settings. This NTC Thermistor is widely used in electronic devices, such as temperature controllers, air conditioners, refrigerators, and more.

One of the standout features of the MF52-103F3435FACP NTC Thermistor is its sensitivity to temperature changes. The negative temperature coefficient of this resistor means that its resistance decreases as the temperature increases. This makes it an ideal choice for applications where accurate and reliable temperature measurement is critical.

Overall, the MF52-103F3435FACP NTC Thermistor from Co,Ltd is a top-of-the-line temperature sensor that is perfect for use in a variety of electronic devices and applications. With its reliable accuracy, durable construction, and unique pearl shape, this thermistor is a must-have for anyone looking for a high-quality temperature measurement solution.

### Features:

Product Name: NTC Thermistor

B Constant (25/50 )(K): --

Application: Temperature Measurement

Resistance(25 )(kΩ): 10±1%

Thermal Time Constant(s): 12

Dissipation Factor(mW/ ): 3

This product is a type of thermal resistor element also known as a Thermistor. It is a Negative Temperature Coefficient Resistor and is typically used for temperature measurement applications.

### Technical Parameters:

Standard	RoHS & Halogen Free (HF) Compliant
Type	MF52-103F3435FACP
Part Number	MF52-103F3435FACP
Application	Temperature Measurement
Brand Name	SOCAY
Features	MF52 Pearl-Shape Temperature Measurement NTC Thermistor
Material	CP Wire
Enterprise Type	Co,Ltd
Foot Length	Customizable
Dissipation Factor(mW/ )	3

### Applications:

Manufactured in Shenzhen, Guangdong, China, this product is made from high-quality CP wire material that ensures excellent performance and longevity. It boasts a B constant of  $3435 \pm 1\%$  at 25/50 , making it an ideal thermosensitive transducer for measuring temperature changes.

This NTC thermistor product is UL, REACH, ROHS, and ISO certified, which guarantees that it meets the highest standards of quality and safety. With a minimum order quantity of 500 pieces, you can order in bulk and take advantage of our negotiable prices. We offer fast delivery times of 5-7 days, making it easy to get your hands on this amazing product.

Our NTC thermistor product is perfect for various application occasions and scenarios. It can be used in temperature measurement for a wide range of industries, including automotive, medical, and home appliances. It is also suitable for use in temperature control systems and temperature compensation circuits.

As a Co,Ltd enterprise, we understand the importance of providing reliable and high-quality products to our customers. That's why we offer a supply ability of 250,000PCS per month to ensure that you always have access to our NTC thermistor product when you need it. Order now and enjoy the convenience of choosing from multiple payment terms, including T/T, Paypal, Western Union, and Money gram. Our packaging details are bulk, ensuring that you receive your order quickly and efficiently.

Choose SOCAY MF52-CP Series MF52-103F3435FACP NTC Thermistor for accuracy, durability, and reliability in temperature measurement.

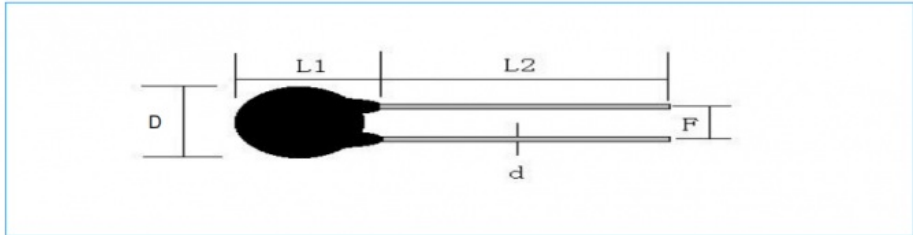
### Customization:

Our MF52-CP Series NTC Thermistors are manufactured in SHENZHEN GUANGDONG,CHINA and come with the following certifications: UL, REACH, ROHS, and ISO. With a minimum order quantity of 500PCS and negotiable pricing, we offer bulk packaging and a delivery time of just 5-7 days.

We accept payment via T/T, Paypal, Western Union, and Money gram, and have the ability to supply up to 250,000PCS per month. Our NTC Thermistors are RoHS and Halogen Free (HF) compliant and have a resistance of  $10\pm1\%$  at 25 .

Our featured part number is MF52-103F3435FACP and our NTC Thermistors are pearl-shaped for easy installation. Trust SOCAY for all your NTC Thermistor customization needs!

Structure and Dimensions (Unit: mm)



D (Max)	L1 ( $\pm 1.0$ )	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:  $\pm 1\%$ ; H:  $\pm 3\%$ ; J:  $\pm 5\%$ .  
(4) 3950: B Constant: 3950=3950K.  
(5) F: Tolerance of B Constant: F:  $\pm 1\%$ .  
(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 $\pm 1\%$	3470 $\pm 1\%$	--	3	12	-40~+125
MF52-202F3550FBCP	2 $\pm 1\%$	3550 $\pm 1\%$	--	3	12	-40~+125
MF52-202F3580FBCP	2 $\pm 1\%$	3580 $\pm 1\%$	--	3	12	-40~+125
MF52-202F3950FBCP	2 $\pm 1\%$	3950 $\pm 1\%$	--	3	12	-40~+125
MF52-502F3470FBCP	5 $\pm 1\%$	3470 $\pm 1\%$	--	3	12	-40~+125
MF52-502F3950FBCP	5 $\pm 1\%$	3950 $\pm 1\%$	--	3	12	-40~+125
MF52-103F3380FBCP	10 $\pm 1\%$	3380 $\pm 1\%$	--	3	12	-40~+125
MF52-103F3435FACP	10 $\pm 1\%$	--	3435 $\pm 1\%$	3	12	-40~+125
MF52-103F3470FBCP	10 $\pm 1\%$	3470 $\pm 1\%$	--	3	12	-40~+125
MF52-103F3450FACP	10 $\pm 1\%$	--	3450 $\pm 1\%$	3	12	-40~+125
MF52-103F3950FBCP	10 $\pm 1\%$	3950 $\pm 1\%$	--	3	12	-40~+125
MF52-103F3977FACP	10 $\pm 1\%$	--	3977 $\pm 1\%$	3	12	-40~+125
MF52-103F4100FBCP	10 $\pm 1\%$	4100 $\pm 1\%$	--	3	12	-40~+125
MF52-153F3950FBCP	15 $\pm 1\%$	3950 $\pm 1\%$	--	3	12	-40~+125
MF52-203F3950FBCP	20 $\pm 1\%$	3950 $\pm 1\%$	--	3	12	-40~+125
MF52-503F3950FBCP	50 $\pm 1\%$	3950 $\pm 1\%$	--	3	12	-40~+125
MF52-503F3990FBCP	50 $\pm 1\%$	3990 $\pm 1\%$	--	3	12	-40~+125
MF52-503F4050FBCP	50 $\pm 1\%$	4050 $\pm 1\%$	--	3	12	-40~+125
MF52-104F3950FBCP	100 $\pm 1\%$	3950 $\pm 1\%$	--	3	12	-40~+125
MF52-104F3990FBCP	100 $\pm 1\%$	3990 $\pm 1\%$	--	3	12	-40~+125
MF52-104F4200FBCP	100 $\pm 1\%$	4200 $\pm 1\%$	--	3	12	-40~+125

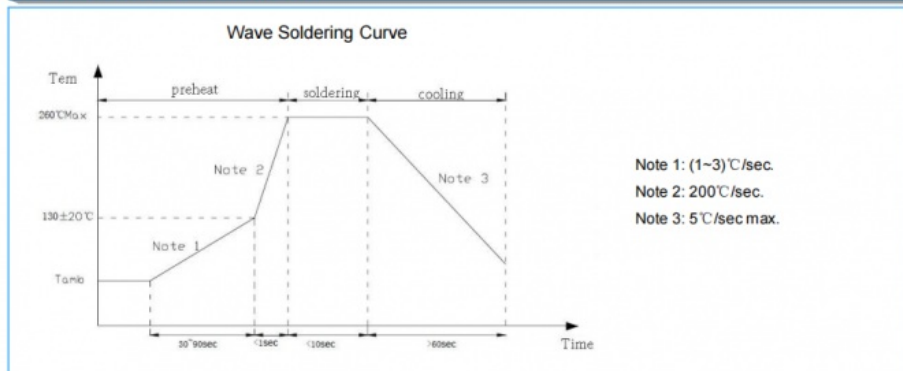
## Storage Conditions of Products

- ◆ Storage Conditions:  
Storage Temperature:  $-10^{\circ}\text{C} \sim +40^{\circ}\text{C}$ .  
Relative Humidity:  $\leq 75\% \text{RH}$ .  
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	$245 \pm 3^{\circ}\text{C}$ , $3 \pm 0.3$ secs.	Above 95% in the terminal surface shall be with new solder
Resistance to Soldering Heat	IEC 60068-2-20	$260 \pm 5^{\circ}\text{C}$ , $10 \pm 1$ secs.	No visible damage $\Delta R_{25}/R_{25} \leq \pm 3\%$
Low Temperature Storage	IEC 60068-2-1	$-40 \pm 5^{\circ}\text{C}$ , $1000 \pm 24$ hrs.	No visible damage $\Delta R_{25}/R_{25} \leq \pm 3\%$
High Temperature Storage	IEC 60068-2-2	$125 \pm 5^{\circ}\text{C}$ , $1000 \pm 24$ hrs.	No visible damage $\Delta R_{25}/R_{25} \leq \pm 3\%$
Damp Heat, Steady State	IEC 60068-2-78	$40 \pm 2^{\circ}\text{C}$ , $90 \sim 95\% \text{RH}$ , $1000 \pm 24$ 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 $^{\circ}\text{C}$ (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



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- ◆ SOCATY reserves the right to make changes without further notice to any products herein.
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- ◆ The parameters provided in the SOCATY 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 are designed to provide accurate temperature measurements in a variety of applications. We offer a range of technical support and services to ensure that our customers are able to use our products to their fullest potential:

- Technical assistance: Our team of experts is available to provide technical support and answer any questions you may have about our NTC thermistors.
- Customization: We can work with you to customize our NTC thermistors to meet the specific needs of your application.
- Calibration services: We offer calibration services to ensure that your NTC thermistors are providing accurate temperature measurements.
- Repair and maintenance: If your NTC thermistors need repair or maintenance, our team is here to help.

At [company name], our goal is to provide the highest level of customer support to ensure that our customers are satisfied with their NTC thermistor products.



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