

100mW Ceramic Chip NTC Thermistor with 3s Thermal Time Constant for Precision Temperature Control in Electronics

Our Product Introduction

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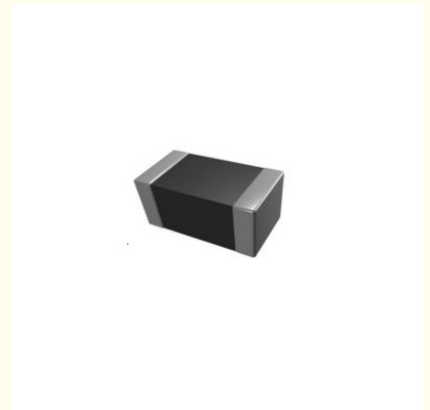
Basic Information

- Place of Origin: SHENZHEN GUANGDONG, CHINA
- Brand Name: SOCAY
- Certification: UL, REACH, ROHS, ISO
- Model Number: SN0402-F Series
- Minimum Order Quantity: 10000PCS
- 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

- B Constant (25/50)(K): $3950 \pm 1\%$
- Material: Ceramic
- Rated Electric Power (25)(mW): 100
- Dissipation Factor(mW/ :1
- Part Number: SN0402-X Series SN0402X103F3950FB
- Thermal Time Constant(s): 3
- Resistance(25)(k Ω): $10 \pm 1\%$
- B Constant(25/85)(K): --



More Images



Product Description

Product Description:

One of the key features of the NTC Thermistor is its negative temperature coefficient. This means that as the temperature increases, the resistance of the thermistor decreases. This property makes the NTC Thermistor useful in a variety of applications, such as temperature sensing and compensation.

The NTC Thermistor has an operating ambient temperature range of $-40 \sim +125$, which makes it suitable for use in both high and low temperature environments. Additionally, the thermistor has a dissipation factor of 1mW/ , which means that it can dissipate heat well. Overall, the NTC Thermistor is a reliable component for use in electronic products where temperature sensing and compensation are required. Its negative temperature coefficient makes it a valuable tool for measuring temperature and its wide operating ambient temperature range allows it to be used in a variety of environments.

Features:

Product Name: NTC Thermistor

Standard: RoHS & Halogen Free (HF) Compliant

Resistance(25)(k Ω): $10\pm 1\%$

Part Number: SN0402-X Series SN0402X103F3950FB

Application: Electronics Products

Type: Chip NTC Thermistor

Keywords: NTC Thermistor, Thermal Resistive Temperature Sensor, Thermal Resistor Element

Technical Parameters:

| | |
|----------------------------------|------------------------------------|
| Product Type | NTC Thermally Sensitive Device |
| Part Number | SN0402-X Series SN0402X103F3950FB |
| Material | Ceramic |
| Operating Ambient Temperature() | $-40 \sim +125$ |
| Thermal Time Constant(s) | 3 |
| B Constant (25/50)(K) | $3950\pm 1\%$ |
| B Constant(25/85)(K) | -- |
| Dissipation Factor(mW/) | 1 |
| Standard | RoHS & Halogen Free (HF) Compliant |
| Brand Name | SOCAY |

This is a Thermometric Resistor or Negative Temperature Coefficient Thermistor.

Applications:

The SOCAY SN0402-F Series NTC Thermistor has a wide range of product application occasions and scenarios. It can be used in various electronic products such as computers, mobile phones, consumer electronics, and more. The NTC Temperature Probe can be used in temperature control systems to regulate temperature. It can also be used in medical equipment such as thermometers and blood pressure monitors. The NTC Thermistor can also be used in automotive applications such as temperature sensors for engines and transmissions. It can also be used in power supplies, battery chargers, and AC adapters.

The SOCAY SN0402-F Series NTC Thermistor is a reliable and accurate temperature sensor that can be used in various industries. Its small size and high precision make it a popular choice for many manufacturers. It is also easy to install and maintain, making it a cost-effective solution for temperature control systems. Overall, the SOCAY SN0402-F Series NTC Thermistor is a versatile product that can be used in a wide range of applications.

Electrical Characteristics:

1) F Series

| Part Number | Resistance (25°C) (kΩ) | B Constant (25/50°C) (K) | B Constant (25/85°C) (K) | Dissipation Factor (mW/°C) | Thermal Time Constant (s) | Rated Electric Power (25°C) (mW) | Operating Ambient Temperature (°C) |
|-------------------|------------------------------|-----------------------------------|-----------------------------------|----------------------------------|------------------------------------|--|---|
| SN0402X103F3380FB | 10±1% | 3380±1% | -- | 1 | 3 | 100 | -40 ~ +125 |
| SN0402X103F3435FA | 10±1% | -- | 3435±1% | 1 | 3 | 100 | -40 ~ +125 |
| SN0402X103F3450FB | 10±1% | 3450±1% | -- | 1 | 3 | 100 | -40 ~ +125 |
| SN0402X103F3950FB | 10±1% | 3950±1% | -- | 1 | 3 | 100 | -40 ~ +125 |
| SN0402X223F3950FB | 22±1% | 3950±1% | -- | 1 | 3 | 100 | -40 ~ +125 |
| SN0402X333F4050FB | 33±1% | 4050±1% | -- | 1 | 3 | 100 | -40 ~ +125 |
| SN0402X473F4050FB | 47±1% | 4050±1% | -- | 1 | 3 | 100 | -40 ~ +125 |
| SN0402X683F4150FB | 68±1% | 4150±1% | -- | 1 | 3 | 100 | -40 ~ +125 |
| SN0402X104F3950FB | 100±1% | 3950±1% | -- | 1 | 3 | 100 | -40 ~ +125 |
| SN0402X104F4250FB | 100±1% | 4250±1% | -- | 1 | 3 | 100 | -40 ~ +125 |
| SN0402X474F4050FA | 470±1% | -- | 4050±1% | 1 | 3 | 100 | -40 ~ +125 |

Support and Services:

The NTC Thermistor product comes with comprehensive technical support and services to ensure your satisfaction and success. Our team of experts is available to assist with any questions or concerns you may have regarding the installation, operation, and maintenance of your product.

Our technical support services include:

Phone and email support

Product documentation and manuals

Troubleshooting guides

Online resources and FAQs

In addition to our technical support services, we also offer a range of professional services to help you get the most out of your NTC Thermistor product:

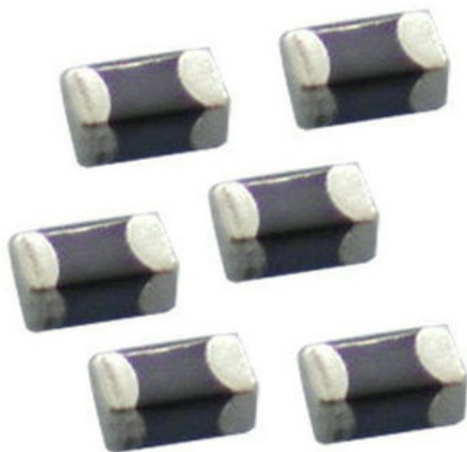
Installation and setup

Product customization

Training and education

Product upgrades and enhancements

Our goal is to provide you with the highest level of customer satisfaction and support throughout the lifetime of your NTC Thermistor product. Contact us today to learn more about our technical support and professional services.



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