



## SOCAY PPTC Resettable Fuse SCF175-0603RZB For Surface Mount Multifuse

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: SCF175-0603RZB
- Minimum Order Quantity: 5000pcs
- Price: Negotiable
- Delivery Time: 5-8 work days



### Product Specification

- Component Name: PPTC Resettable Fuse
- Package: Surface Mount
- I Hold: 1.75A
- I Trip: 3.5A
- V Max: 6.0Vdc
- I Max: 50.0A
- P Dtyp.: 0.5W
- Current: 8.0A
- Time: 5.0Se C.
- R Min: 0.012Ω
- R 1max: 0.07Ω
- Highlight: **SCF175-0603RZB PPTC Resettable Fuse, Surface Mount PPTC Resettable Fuse,**

## SOCAY PPTC Resettable Fuse SCF175-0603RZB For Surface Mount Multifuse

**PPTC Resettable Fuse DATASHEET:** [SCF0603RZB Series\\_v2404.1.pdf](#)

### Product Description:

The Surface Mount PPTC Resettable Fuse is a type of Multifuse that is designed to be installed on a printed circuit board. The Surface Mount of this fuse makes it easy to solder onto a board, and ensures a reliable connection between the fuse and the circuit. The PPTC Polymer used in the construction of this fuse provides superior overcurrent protection, compared to traditional fuses. This material is highly resistant to heat, and can withstand high levels of current without breaking down. This makes it ideal for use in applications where high levels of current are expected, or where the fuse may be exposed to high temperatures. The I trip of this fuse is 1.75A, which means that it will trip and open the circuit if the current exceeds this level. This provides reliable protection for the electronic device or equipment, and helps to prevent damage and downtime. The R max 0.07Ω attribute of this fuse means that it is capable of resetting itself after it has tripped. This means that it can be used again and again, without needing to be replaced. This makes it a cost-effective and reliable solution for overcurrent protection. In summary, the Radial Leaded PPTC Resettable Fuse is a highly reliable and effective solution for overcurrent protection in electronic devices and equipment. Its PPTC Polymer construction provides superior protection, and its Surface Mount configuration makes it easy to install on a printed circuit board. With an I trip of 1.75A and the ability to reset itself, this fuse is an ideal choice for applications where space is limited, and where high levels of current may be present.

### Features:

Product Name: PPTC Resettable Fuse

Package: Surface Mount

Low zero power resistance: polymer PTC itself has low impedance, low power loss during normal operation and low surface temperature.

Fast overcurrent protection: due to its own material properties, polymer PTC responds much faster than other overcurrent protection devices in the overcurrent state.

Self-locking operation: polymer PTC in the overcurrent protection state, with a very small current locked in the high resistance state, only after cutting off the power supply or overcurrent disappears, it will restore the low resistance state.

Automatic reset: Polymer PTC resets itself after overcurrent protection (troubleshooting), no need to dismantle and replace, commonly known as self-repeating fuse.

High current resistance: Polymer PTC has excellent resistance to high current, some specifications can withstand 100A current impact.

Looking for a **Surface Mount PPTC Resettable Fuse** with a maximum resistance of 0.07Ω and a PTC Polymer voltage rating? Check out our **PPTC Resettable Fuse** product! With a package type of Surface Mount, it's the perfect choice for your electronic circuit protection needs.

### Technical Parameters:

| Attribute      | Specification        |
|----------------|----------------------|
| Component Name | PPTC Resettable Fuse |
| Package        | Surface Mount        |
| I Hold         | 1.75A                |
| I Trip         | 3.5A                 |
| V Max          | 6.0Vdc               |
| I Max          | 50.0A                |
| P dtyp.        | 0.5W                 |
| Current        | 8.0A                 |
| Time           | 5.0Sec.              |
| R Min          | 0.012Ω               |
| R1 Max         | 0.07Ω                |

### Applications:

Program control switch, MDF, broadband network equipment.

Speaker crossover, electric toys, motors and motors, industrial control, energy-saving lamps, ballasts, power supplies, chargers and so on.

Computer motherboards, USB, 1394 interface, digital portable products, etc.

Nickel-metal hydride, nickel-cadmium, lithium batteries and battery pack protection.

## FAQ:

**Q1: What is the brand name of this product?**

A1: The brand name of this product is SOCAY.

**Q2: What is the model number of this product?**

A2: The model number of this product is SCF175-0603RZB.

**Q3: Where is this product manufactured?**

A3: This product is manufactured in Shenzhen, Guangdong, China.

**Q4: What certifications does this product have?**

A4: This product has UL, REACH, RoHS, and ISO certifications.

**Q5: What is the minimum order quantity for this product?**

A5: The minimum order quantity for this product is 5000pcs. However, the price is negotiable and the delivery time is 5-8 work days.



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