



## SOCAY Radial PPTC Resettable Fuse SC135-3500SZ0D Polymer PTCs For General 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: SC135-3500SZ0D
- Minimum Order Quantity: 5000pcs
- Price: Negotiable
- Delivery Time: 5-8 work days



### Product Specification

- Component Name: PPTC Resettable Fuse
- Package: Radial Lead
- I Hold: 3.5A
- I Trip: 7.0A
- V Max: 120Vdc
- I Max: 20A
- P Dtyp.: 6.5W
- Current: 17.5A
- Time: 12.0S
- R Min: 0.06Ω
- R Max: 0.095Ω
- R1 Max: 0.143Ω

## Product Description

### SOCAY Radial PPTC Resettable Fuse SC135-3500SZ0D Polymer PTCs For General Electronics

**PPTC Resettable Fuse DATASHEET:** [SC135-3500SZ0D\\_v202.1.pdf](#)

#### Product Description:

The Radial Leaded PPTC Resettable Fuse is available in a radial lead package, making it easy to install and integrate into a variety of electronic devices. The fuse's current rating ranges from 3.5A to 7A, providing flexibility and ensuring that the fuse can be used in a wide range of applications.

The Radial Leaded PPTC Resettable Fuse is designed to provide reliable protection against overcurrent conditions, with a resettable function that ensures that the fuse can be used again and again. This makes the fuse an ideal choice for applications where protection against overcurrent conditions is critical, such as in power supplies, battery chargers, and other electronic devices.

The Radial Leaded PPTC Resettable Fuse is a high-quality, reliable component that is designed to meet the needs of a wide range of electronic applications. With its surface mount design, maximum voltage rating of PTC Polymer, and holding current range of 3.5A to 7A, this fuse provides the protection and performance that electronic designers need.

#### Features:

Product Name: PPTC Resettable Fuse

Component Name: Radial Lead Resettable Polymer PTCs

RoHS Compliant and Halogen-Free

Radial leaded Devices

Cured, flame retardant epoxy polymer insulating material

meets UL94V-0 requirements

Operation Current: 3.5A, Maximum Voltage: 120Vdc,

Operating Temperature: -40 to +85

#### Technical Parameters:

Component Name	PPTC Resettable Fuse
I hold	3.5A
I trip	7.0A
V max	120Vdc
I max	20A
P dtyp.	6.5W
Current	17.5A
Time	12.0S
Rmin	0.06Ω
R max	0.096Ω
R1 max	0.143Ω

#### Electrical Parameters

Part Number	I hold (A)	I trip (A)	V max (Vdc)	I max (A)	P dtyp (W)	Maximum Time To Trip		Resistance		
						Current (A)	Time (S)	R min (Ω)	R max (Ω)	R1max (Ω)
SC135-3500SZ0D	3.5	7.0	120	20	6.5	17.5	12.0	0.060	0.095	0.143

I hold= Hold current: maximum current at which the device will not trip at 25°C still air.

I trip= Trip current: minimum current at which the device will always trip at 25°C still air.

V max= Maximum voltage device can withstand without damage at rated current.

I max= Maximum fault current device can withstand without damage at rated voltage.

T trip=Maximum time to trip(s) at assigned current.

P dtyp= Typical power dissipation: typical amount of power dissipated by the device when in state air environment.

R min= Minimum device resistance at 25°C prior to tripping.

R max= Maximum device resistance at 25°C prior to tripping.

R1max= Maximum resistance of device at 25°C measured one hour after tripping.

Caution: Operation beyond the specified rating may result in damage and possible arcing and flame.

## SC135-3500SZ0D

### Features

- ◆ RoHS Compliant and Halogen-Free
- ◆ Radial leaded Devices
- ◆ Cured, flame retardant epoxy polymer insulating material meets UL94V-0 requirements
- ◆ Operation Current: 3.5A, Maximum Voltage: 120Vdc, Operating Temperature: -40°C to +85°C

### Applications

- ◆ USB hubs, ports and peripherals
- ◆ Power ports
- ◆ IEEE1394 ports
- ◆ Motor protection
- ◆ Automotive application
- ◆ Computers and peripherals
- ◆ General electronics



## Applications:

The SC135 model is designed to trip at 7.0A with a maximum voltage of PTC polymer. It has a holding current range of 3.5A to 7A and a minimal resistance of 0.06Ω, making it an effective and efficient choice for protecting your devices from overcurrent.

The Radial Lead PPTC Resettable Fuse is suitable for a range of product applications and scenarios, including but not limited to:

Consumer Electronics - The SC135-3500SZ0D is ideal for use in devices such as smartphones, tablets, and laptops, protecting against short circuits and overloads caused by faulty batteries or power adapters.

Automotive Electronics - With its high trip current and low resistance, the SC135-3500SZ0D is a great choice for protecting automotive electronics such as GPS systems, dashboard displays, and entertainment systems from overcurrent.

Industrial Electronics - The SC135-3500SZ0D is perfect for use in industrial equipment such as power tools and machinery, providing reliable and long-lasting overcurrent protection.

The Leaded PPTC Resettable Fuse is available for purchase with a minimum order quantity of 5000pcs, and the price is negotiable. Delivery time is 5-8 work days, making it a convenient and efficient choice for your overcurrent protection needs.

Trust SOCA's SC135-3500SZ0D Radial Lead PPTC Resettable Fuse for your overcurrent protection needs, and enjoy peace of mind knowing that your devices are protected by the best in the market.

## FAQ:

A: The brand name of this PPTC Resettable Fuse product is SOCA.

2. Q: What is the model number of this PPTC Resettable Fuse product?

A: The model number of this PPTC Resettable Fuse product is SC135-3500SZ0D.

3. Q: Where is this PPTC Resettable Fuse product manufactured?

A: This PPTC Resettable Fuse product is manufactured in Shenzhen, Guangdong, China.

4. Q: What certifications does this PPTC Resettable Fuse product have?

A: This PPTC Resettable Fuse product is UL, REACH, RoHS, and ISO certified.

5. Q: What is the minimum order quantity for this PPTC Resettable Fuse product?

A: The minimum order quantity for this PPTC Resettable Fuse product is 5000pcs.

6. Q: What is the delivery time for this PPTC Resettable Fuse product?

A: The delivery time for this PPTC Resettable Fuse product is 5-8 work days.

7. Q: Is the price negotiable for this PPTC Resettable Fuse product?

A: Yes, the price for this PPTC Resettable Fuse product is negotiable.

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