



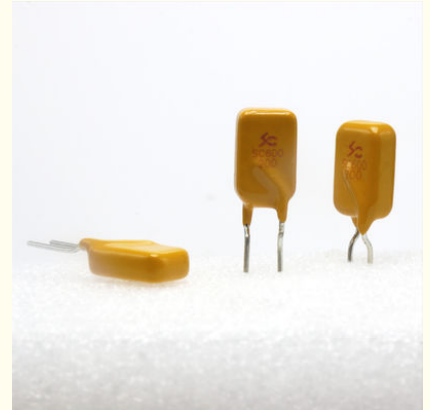
SOCAY Radial PPTC Resettable Fuse SC600-500SZ0D Multifuse With Resettable Protection

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: SC600-500SZ0D
- Minimum Order Quantity: 5000pcs
- Price: Negotiable
- Delivery Time: 5-8 work days



Product Specification

- Component Name: PPTC Resettable Fuse
- Package: Radial Lead
- I Hold: 0.5A
- I Trip: 1.0A
- V Max: 400
- I Max: 3.0A
- P Dtyp.: 1.5W
- Current: 2.5A
- Time: 15.0S
- R Min: 0.6Ω
- R1 Max: 1.5Ω
- Highlight: **Radial PPTC Resettable Fuse,
SC600-500SZ0D PPTC Resettable Fuse,**

SOCAY Radial PPTC Resettable Fuse SC600-500SZ0D Multifuse With Resettable Protection**PPTC Resettable Fuse DATASHEET:** [SC600-500SZ0D_v2105.1.pdf](#)**Product Description:**

The PPTC polymer construction provides excellent thermal stability and resistance to aging, ensuring reliable performance over the lifespan of the product. And with a maximum voltage rating of PTC Polymer, this resettable fuse is suitable for use in a range of high voltage applications.

But what really sets our Radial Leaded PPTC Resettable Fuse apart is its ability to reset after a fault event. This means that in the event of a short circuit or overcurrent, the fuse will trip to protect the circuit, but then automatically reset once the fault has been cleared. This eliminates the need for replacement fuses and reduces downtime and maintenance costs.

In addition, our Radial Leaded PPTC Resettable Fuse features a maximum resistance of 1.5Ω , which ensures that the fuse will not generate excess heat or voltage drop during normal operation. This helps to maintain the efficiency and reliability of the circuit, even during high current events.

Overall, our Radial Leaded PPTC Resettable Fuse is a high-quality, reliable, and cost-effective solution for circuit protection. Whether you're designing for automotive, industrial, or consumer electronics applications, this resettable fuse is sure to meet your needs and exceed your expectations.

Features:

Product Name: PPTC Resettable Fuse

Package: Radial Lead

Radial leaded devices

Over-current protection

High voltage surge capabilities

Flame retardant epoxy polymer insulating material meets UL94 V-0 requirement

Available in lead-free version

Meets MSL level 1, per J-STD-020

Relative Humidity: $\leq 80\%RH$

Operation Current: 0.50A, Maximum Voltage: 400Vdc, Operating Temperature: -40 to $+85$

Introducing the Radial Lead PPTC Resettable Fuse! This Leaded PPTC Resettable Fuse boasts a maximum current of 1.5A and a PTC Polymer for increased voltage protection. Its Multifuse design ensures reliable and consistent performance, making it an ideal choice for a wide range of applications.

Technical Parameters:

Component Name	PPTC Resettable Fuse
Package	Radial Lead
I hold	0.5A
I trip	1.0A
V max	400Vdc
I max	3.0A
P dtyp.	1.5W
Current	2.5A
Time	15.0S
R min	0.6Ω
R max	1.5Ω

Electrical Parameters

Part Number	I_{hold} (A)	I_{trip} (A)	V_{max} (Vdc)	I_{max} (A)	P_{trip} (W)	Maximum Time To Trip		Resistance	
						Current (A)	Time (s)	R_{min} (Ω)	$R1_{max}$ (Ω)
SC600-500SZ0D	0.50	1.00	400	3.0	1.5	2.50	15.0	0.6	1.5

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_{trip} = 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.

$R1_{max}$ = Maximum device resistance at 25°C prior to tripping.

$R1_{max}$ = 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.

Applications:

The SC600-500SZ0D is a high-quality Radial Lead PPTC Resettable Fuse that is ideal for a variety of applications. It is designed to protect electronic devices from overcurrent and overtemperature conditions, ensuring that they operate safely and reliably.

The SC600-500SZ0D is packaged in a Radial Lead package, which makes it easy to install and use. This product is suitable for use in a wide range of different applications, including consumer electronics, industrial automation, and telecommunications. Whether you are designing a new electronic product or maintaining an existing one, the SC600-500SZ0D is an excellent choice for protecting your devices from overcurrent and overtemperature conditions.

The SC600-500SZ0D is a highly reliable Radial Leaded PPTC Resettable Fuse that has been designed with quality and safety in mind. With its high I_{max} rating of 3.0A, it is capable of protecting electronic devices from a wide range of overcurrent and overtemperature conditions. Whether you are working on a new project or maintaining an existing one, the SC600-500SZ0D is an excellent choice for protecting your devices.

Applications

- ◆ IT equipment
- ◆ Access network equipment
- ◆ Central office equipment
- ◆ ISDN and xDSL equipments
- ◆ Phone set and fax machine
- ◆ LAN/WAN and VOIP cards

FAQ:

Q: What is the brand name of this product?

A: The brand name of this product is SOCAT.

Q: What is the model number of this product?

A: The model number of this product is SC600-500SZ0D.

Q: Where is this product manufactured?

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

Q: What certifications does this product have?

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

Q: What is the minimum order quantity for this product?

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

Q: What is the price of this product?

A: The price of this product is negotiable.

Q: What is the delivery time for this product?

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

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