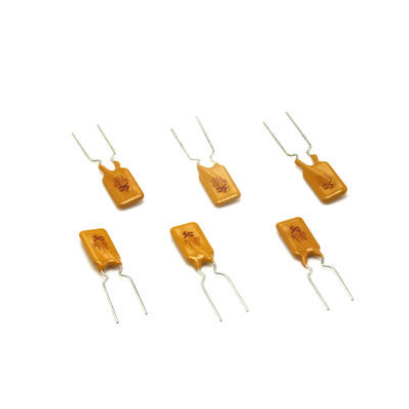
SOCAY PPTC Radial Lead Resettable Polymer PTCs SC16-200SW0D For General Electronics

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: UL,REACH,RoHS,ISO
- Model Number: SC16-200SW0D
- Minimum Order Quantity: 1000PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



Product Specification

- Component Name: PPTC Resettable Fuse
- Package: Radial Lead
- I Hold: 2.0A
- I Trip: 4.0A
- V Max: 16Vdc
- I Max: 40A
- P Dtyp.: 1.0W
- Current: 10.0A
- Time: 8.0S
- Rmin: 0.03Ω
- R1 Max: 0.075Ω
- Highlight: **General Electronics Resettable Polymer PTCs**, **Radial Lead Resettable Polymer PTCs**,

Product Description

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PPTC Resettable Fuse DATASHEET:SC16-200SW0D_v2105.1.pdf

Product Description:

This product operates over a wide temperature range, from -40 to +85 , making it suitable for use in a variety of environments. It is also designed with a low resistance of 0.03Ω, which helps to minimize power loss and reduce the risk of damage to other components in the circuit.
The Radial Lead PPTC Resettable Fuse is available in a range of current ratings, from 2A to 4A, to meet the needs of different applications. This wide range of current ratings makes it ideal for use in a variety of circuits, from low power to high power.
The terminal pad materials of the Radial Leaded PPTC Resettable Fuse are made of tin-plated nickel-copper, which provides excellent conductivity and durability. This helps to ensure a reliable connection between the fuse and the circuit, even in harsh environments.
The Radial Lead PPTC Resettable Fuse is a resettable fuse, which means that it can be used repeatedly, making it an economical choice for applications where protection against overcurrent is needed. With its reliable performance and durability, the Radial Leaded PPTC Resettable Fuse is an excellent choice for overcurrent protection in a variety of applications.

Features:

Product Name: PPTC Resettable Fuse
Application: Overcurrent Protection
RoHS Compliant and Halogen-Free
Operation Current:2.0A
Maximum Voltage: 16Vdc
Operating Temperature: -40 to +85

Technical Parameters:

Type	Radial Leaded PPTC Resettable Fuse
Rated Power (P Dtyp)	16W
Dimension	SC16
Terminal Pad Materials	Tin-plated Nickel-Copper
I Trip	4A
Operating Temperature	-40 ---+85

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} (mΩ)	$R1_{max}$ (mΩ)
SC16-200SW0D	2.00	4.00	16	40	1.0	10.0	8.0	0.030	0.075

I_{hold}= Hold current: maximum current at which the device will not trip at 25℃ still air.
I_{trip}= Trip current: minimum current at which the device will always at 25℃ 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℃ prior to tripping.
R_{max}= Maximum device resistance at 25℃ 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 SOCAY SC16 Leaded PPTC Resettable Fuse is a versatile product that can be used in a variety of applications. It is particularly useful in scenarios where protection against overcurrent is required. With a current range of 2A-4A, this fuse is suitable for a wide range of electronic devices, from small-scale gadgets to larger appliances.
The terminal pad materials used in the manufacture of this product are tin-plated nickel-copper, which ensure that the fuse is both durable and efficient. The use of these materials also means that the fuse can be used in a variety of different environments without being affected by corrosion or other forms of damage.
With a P Dtyp of 16W and a resistance min of 0.03Ω, the SOCAY SC16 Leaded PPTC Resettable Fuse is a powerful and efficient product. It has a rated current of 2A~4A, making it suitable for a wide range of applications. Whether you need a fuse for your computer, your stereo system, or your industrial machinery, this product is an excellent choice.
In conclusion, if you are looking for a reliable and efficient Radial Lead PPTC Resettable Fuse, look no further than the SOCAY SC16 model. With its high-quality construction, versatile applications, and powerful performance, this product is an excellent choice for anyone looking for a fuse that they can trust.

FAQ:

A: A PPTC Resettable Fuse is a type of circuit protection device that is designed to protect electronic circuits from overcurrent and overvoltage conditions. It uses a polymer-based material that can switch from a low-resistance state to a high-resistance state in response to changes in temperature caused by excessive current or voltage. SOCAY's SC16 PPTC Resettable Fuse is a reliable and cost-effective solution for protecting your electronic devices and equipment.
Q: What are the specifications of the SOCAY SC16 PPTC Resettable Fuse?
A: The SOCAY SC16 PPTC Resettable Fuse has a maximum voltage rating of 16V DC and a maximum current rating of 40A. It has a hold current of 2A and a trip current of 4A. The operating temperature range is from -40°C to +85°C. It is RoHS compliant and conforms to UL and TUV safety standards.
Q: What are the applications of the SOCAY SC16 PPTC Resettable Fuse?
A: The SOCAY SC16 PPTC Resettable Fuse can be used in a wide range of electronic devices and equipment, including computers, telecommunication equipment, power supplies, battery chargers, and consumer electronics. It is ideal for applications that require protection against overcurrent and overvoltage conditions.
Q: Where is the SOCAY SC16 PPTC Resettable Fuse manufactured?
A: The SOCAY SC16 PPTC Resettable Fuse is manufactured in Shenzhen, Guangdong, China. SOCAY is a leading manufacturer of PPTC Resettable Fuses and other electronic components, with a reputation for quality and reliability.
Q: How can I order the SOCAY SC16 PPTC Resettable Fuse?
A: You can order the SOCAY SC16 PPTC Resettable Fuse directly from SOCAY or through one of their authorized distributors. Contact SOCAY's customer service department for more information on pricing, availability, and shipping options.

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