SOCAY PPTC Radial Lead Resettable Polymer PTCs SC16 0.5A For IT Equipment

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: UL,REACH,RoHS,ISO
- Model Number: SC16-050CW0D
- Minimum Order Quantity: 1000PCS
- Price: Negotiable
- Delivery Time: 5-8 work days

Product Specification

- Component Name: PPTC Resettable Fuse
- Package: Radial Lead
- SC16-050CW0D I Hold: 0.5A
- SC16-050CW0D I Trip: 1.0A
- SC16-050CW0D V Max: 16Vdc
- SC16-050CW0D I Max: 40A
- SC16-050CW0D P Dtyp.: 1.0W
- SC16-050CW0D Current: 2.5A
- SC16-050CW0D Time: 10.0S
- SC16-050CW0D Rmin: 0.2Ω
- SC16-050CW0D R1 Max: 0.75Ω

Product Description

SOCAY PPTC Radial Lead Resettable Polymer PTCs SC16 0.5A For IT Equipment

PPTC Resettable Fuse DATASHEET:SC16-050CW0D_v2203.1.pdf

Product Description:

The SC16 dimensions of this fuse make it suitable for a wide range of applications, including power supplies, battery packs, and various electronic circuits. Its compact size allows for easy installation and integration into your design. The Radial Lead PPTC Resettable Fuse is also available in a range of rated currents, from 0.5A to 1.0A, making it a versatile option for various current requirements.
Our Radial Lead PPTC Resettable Fuse features terminal pad materials made of tin-plated nickel-copper, providing superior conductivity and durability. The radial shape of the fuse allows for easy placement and soldering onto a printed circuit board, making it a convenient option for both manual and automated assembly processes.
Overall, our Radial Lead PPTC Resettable Fuse is a reliable and cost-effective solution for protecting your electronic devices from overcurrent and short-circuit events. Its compact size, range of rated currents, and superior terminal pad materials make it a versatile option for a wide range of applications. Choose our Radial Lead PPTC Resettable Fuse for all your resettable fuse needs.

Features:

Product Name: PPTC Resettable Fuse
Radial leaded devices
High voltage surge capabilities
P Dtyp: 1.0W
Rated Current: 0.02A~2.0A
Maximum Voltage: 16Vdc
Radial Leaded PPTC Resettable Fuse

Technical Parameters:

Rated Current	0.02A~2.0A
Fuse Type	Polymeric
Operating Temp	-40 ---+80
Dimension	SC16
Resistance Min	0.2Ω
I Trip	12A

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)	$R1_{max}$ (Ω)
SC16-050CW0D	0.5	1.00	16	40	1.0	2.50	10.0	0.200	0.750

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.
$R1_{max}$= Maximum resistance of device at 25℃ measured one hour after tripping.
Caution: Operation beyond the specified rating may result in damage and possible arcing and flame.

Applications:

The SC16 fuse is a radial lead PPTC resettable fuse, meaning that it is designed to be mounted on a printed circuit board with radial leads. Its dimensions of 1210 (3225 METRIC) make it a compact and space-saving option for applications where board space is limited. The terminal pad materials used in the SC16 model are tin-plated nickel-copper, ensuring excellent conductivity and resistance to corrosion.
Some common application occasions and scenarios where the SOCAY SC16 radial lead PPTC resettable fuse can be used include:
Power supplies
Chargers and adapters
Automotive electronics
Security equipment
Industrial controls
LED lighting
Overall, the SOCAY SC16 radial lead PPTC resettable fuse is a reliable and versatile circuit protection solution for a variety of electronic applications. Its compact size, high voltage and current ratings, and resettable functionality make it an excellent choice for designers and engineers looking to protect their circuits from overvoltage and overcurrent events.

FAQ:

A: The brand name of this product is SOCAY.
Q: What is the model number of this product?
A: The model number of this product is SC16.
Q: Where is this product manufactured?
A: This product is manufactured in Shenzhen, Guangdong, China.
Q: What is the function of a PPTC Resettable Fuse?
A: A PPTC Resettable Fuse protects an electrical circuit from overcurrent and short circuit conditions.
Q: Can this product be used in both AC and DC circuits?
A: Yes, this product can be used in both AC and DC circuits.

SOCAY® **Shenzhen Socay Electronics Co., Ltd.**

+8618126201429 sylvia@socay.com socaydiode.com

4/F, Block C, HeHengXing Science & Technology Park, 19 MinQing Road, LongHua District, Shenzhen City, GuangDong Province, China