Radial Lead PPTC Resettable Fuse SC60-090CW0D I hold 0.9A Maximum Voltage 60Vdc

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: SC60-090CW0D
- Minimum Order Quantity: 1000PCS
- Price: Negotiable
- Delivery Time: 5-8 work days

Product Specification

- Component Name: PPTC Resettable Fuse
- Package: Radial Lead
- I Hold: 0.9A
- I Trip: 1.8A
- V Max: 60V
- I Max: 40A
- P Dtyp.: 1.0W
- Maximum Time To Trip Current: 4.5A
- Maximum Time To Trip Time: 10.0Sec
- Resistance Min: 0.2Ω
- Resistance Max: 0.31Ω
- Resistance 1max: 0.47Ω
- Highlight: **Radial Lead PPTC Resettable Fuse**, **PPTC Resettable Fuse 60VDC**

More Images

Product Description

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PPTC Resettable Fuse DATASHEET: SC60-090CW0D_v96.2.pdf

Selection methods

1,Ihold value (holding current) > normal working current in the circuit Vmax ≥ normal voltage in the circuit, ambient temperature.
2,Customer operating current divided by temperature coefficient ≤ product operating current.

Electrical Parameters:

Part **Number**	I_{hold} (A)	I_{trip} (A)	V_{max} (Vdc)	I_{max} (A)	P_{dtyp} (W)	Maximum Time To Trip		Resistance		
PPTC Resettable Fuse						Current (A)	Time (S)	R_{min} (Ω)	R_{max} (Ω)	$R1_{max}$ (Ω)
SC60-090CW0D	0.90	1.80	60	40	1.00	4.5	10.0	0.20	0.31	0.47

Features of PPTC polymer positive temperature coefficient thermistor (resettable fuse)
> Sensitive to current and temperature, resistance increases as temperature and current increase;
> The response speed of PPTC polymer positive temperature coefficient thermistor (resettable fuse) is slow, generally tens of milliseconds or even seconds, and the current does not flow through the PPTC polymer positive temperature coefficient thermistor (resettable fuse). related;
> It has self-restoring characteristics and can be repeatedly used in circuits within its rated use range;
> PPTC polymer positive temperature coefficient thermistor (resettable fuse) has a low resistance value under normal working conditions of the circuit and has almost no impact on the circuit;
> When used, PPTC polymer positive temperature coefficient thermistor (resettable fuse) is connected in series in the circuit;
> Our PPTC polymer positive temperature coefficient thermistor (resettable fuse) product maintains a current of 30mA~14A and a maximum withstand voltage of 5V~600V.

PPTC Resettable Fuse Applications:

u USB hubs, ports and peripherals
u Power ports
u IEEE1394 ports
u Motor protection
u Computers and peripherals
u General electronics

Temperature Rerating Chart – I_{hold} (A):

Ambient Operation Temperature	-40	-20	0	23	30	40	50	60	70	85
Percentage Reduction	145%	130%	120%	100%	95%	88%	80%	71%	66%	56%

Test Procedures and Requirement:

Test	Test Conditions	Accept/Reject Criteria
Resistance	In still air @25±2°C	Rmin≤R≤Rmax
Hold Current	60 min, at Ihold, In still air @25±2°C	No trip
Time to Trip	Specified current, Vmax, @25±2°C	T≤Maximum Time To Trip
Trip Cycle Life	Vmax, Imax,100 cycles	No arcing or burning
Trip Endurance	Vmax,24hours	No arcing or burning

PPTC Resettable Fuse Physical Specifications:

Lead Material	0.03-1.85A Tin-plated Copper clad steel 2.50-5.00A Tin-plated Copper
Soldering Characteristics	Solder ability per MIL-STD-202, Method 208E
Insulating Material	Cured, flame retardant epoxy polymer meets UL 94V-0 requirements.
Device Labeling	Marked with 'SC', voltage, current rating

PPTC Resettable Fuse Packaging Quantity:

Part Number	Quantity (pcs/reel)
SC60-090CW0D	1000

Applications

Digital products, Cameras, Mobile phones, Photo frames, Control panels, Toys, LCDs, Power supplies, Communication equipment, Security products, Audio, Converters. It is used in almost all low-voltage power supply products, and lightning protection packages, etc.

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