



SC600 Series Electronic PPTC Resettable Fuse SC600-200SW0D 400V Maximum Voltage

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: SC600-200SW0D
- Minimum Order Quantity: 500PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



Product Specification

- Name: PPTC Resettable Fuse
- Package Type: Radial Lead
- Operation Current: 0.2A
- I Trip: 0.4A
- Maximum Voltage: 400V
- I Max: 3A
- P Dtyp.: 1.5W
- Maximum Time To Trip Current: 1.0A
- Maximum Time To Trip Time: 10.0Sec
- Resistance Min: 5.0Ω
- Resistance Max: 9.0Ω
- Resistance 1max: 14.0Ω
- Highlight: **PPTC Resettable Fuse 400V ,
Electronic PPTC Resettable Fuse,**



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Product Description

SC600 Series PPTC Resettable Fuse SC600-200SW0D Fast Delivery Time

PPTC Resettable Fuse DATASHEET: [SC600-200SW0D_v98.1.pdf](#)

Electrical Parameters:

Part Number	I_{hold} (A)	I_{trip} (A)	V_{max} (Vdc)	I_{max} (A)	P_{dtyp} (W)	Maximum Time To Trip		Resistance		
Resettable Polymer PPTC						Current (A)	Time (S)	R_{min} (Ω)	R_{max} (Ω)	$R1_{max}$ (Ω)
SC600- 200SW0D	0.20	0.40	400	3.0	1.5	1.0	10.0	5.0	9.0	14.0

I_{hold} = PPTC Resettable Fuse Hold current: maximum current at which the device will not trip at 25 still air.
 I_{trip} = PPTC Resettable Fuse 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} = PPTC Resettable Fuse 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 measured one hour after tripping.
 Caution: Operation beyond the specified rating may result in damage and possible arcing and flame.

PPTC Resettable Fuse Features:

- u RoHS Compliant and Halogen-Free
- u Radial leaded Devices
- u Cured, flame retardant epoxy polymer insulating material meets UL94V-0 requirements
- u PPTC Resettable Fuse Operation Current: 0.20A, Maximum Voltage: 400Vdc, Operating Temperature: -40 to +85

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 Derating 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	$R_{min} \leq R \leq R_{max}$
Hold Current	60 min, at I_{hold} , In still air @25±2°C	No trip
Time to Trip	Specified current, V_{max} , @25±2°C	$T \leq \text{Maximum Time To Trip}$
Trip Cycle Life	V_{max} , I_{max} , 100 cycles	No arcing or burning
Trip Endurance	V_{max} , 24 hours	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)
SC600-200SW0D	500



 **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