



Polymer PPTC Resettable Fuse Radial Lead SC16-600SZ0D 6A I Hold 16Vmax 2.80W

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: SC16-600SZ0D
- Minimum Order Quantity: 1000PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



Product Specification

- Product Name: PPTC Resettable Fuse
- Package Type: Radial Lead
- I Hold: 6A
- I Trip: 12A
- V Max: 16V
- I Max: 40A
- P Dtyp.: 2.8W
- Maximum Time To Trip Current: 30A
- Maximum Time To Trip Time: 5.8Sec
- Resistance Min: 0.01Ω
- Resistance Max: 0.02Ω
- Resistance 1max: 0.035Ω
- Highlight: **PPTC Resettable Fuse Radial Lead, 6A PPTC Resettable Fuse**



More Images



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Product Description

Radial Lead Resettable Polymer PPTC SC16-600SZ0D 6A Ihold 16Vmax 2.80W Fast Delivery Time

DATASHEET: [SC16-600SZ0D_v2108.1.pdf](#)

Part Number	I _{hold} (A)	I _{trip} (A)	V _{max} (Vdc)	I _{max} (A)	P _{dtyp} (W)	Maximum Time To Trip		Resistance		
						Current t (A)	Time (S)	R _{min} (Ω)	R _{max} (Ω)	R _{1max} (Ω)
SC16-600SZ0D	6.00	12.00	16	40	2.80	30.0	5.8	0.010	0.020	0.035

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.

R_{1max}= 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.

Features:

- u RoHS Compliant and Halogen-Free
- u Radial leaded Devices
- u Cured, flame retardant epoxy polymer insulating material meets UL94V-0 requirements
- u Operation Current: 6.00A, Maximum Voltage: 16Vdc, Operating Temperature: -40 to +85

Applications:

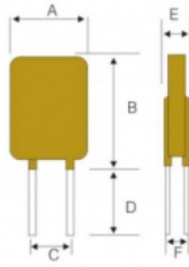
- u USB hubs, ports and peripherals
- u Power ports
- u IEEE1394 ports
- u Motor protection
- u Computers and peripherals
- u General electronics

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	Test Conditions	Accept/Reject Criteria
Resistance	In still air @25±2°C	R _{min} ≤R≤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≤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

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

Dimensions



Part Number	Dimensions (mm)						Lead Material
	A (Max)	B (Max)	C (Typ)	D (Min)	E (Max)	F (Typ)	Tinned Metal (mm)
SC16-600SZ0D	10.7	17.1	5.1	7.6	3.0	1.2	Φ0.80

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