

Polymer PPTC Resettable Fuse SC135-750SZ0D Operation Current 0.75A For Power Ports

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: SC135-750SZ0D
- Minimum Order Quantity: 500PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



Product Specification

- Component Name: PPTC Resettable Fuse
- Package: Radial Lead
- Operation Current: 0.75A
- I Trip: 1.50A
- Maximum Voltage: 135V
- I Max: 20A
- P Dtyp.: 3.5W
- Maximum Time To Trip Current: 3.75A
- Maximum Time To Trip Time: 20.0Sec
- Resistance Min: 0.5Ω
- Resistance Max: 0.85Ω
- Resistance 1max: 1.28Ω
- Highlight: Polymer PPTC Resettable Fuse, PPTC Resettable Fuse 0.75A,



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Product Description

SOCAY Resettable Polymer PPTC SC135-750SZ0D Operation Current 0.75A For Power Ports

Resettable Polymer PPTC DATASHEET: [SC135-750SZ0D_v912.1.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)	R _{1max} (Ω)
SC135-750SZ0D	0.75	1.50	135	20	3.5	3.75	20.00	0.50	0.85	1.28

About PPTCs

The Polymeric positive Temperature Coefficient is a kind of overcurrent electronic protection element, which is made of high polymer organic polymer under the condition of high pressure, high temperature and vulcanization reaction, after doping with conductive particle materials and processed by special technology. Traditional fuse overcurrent protection, only can protect once, burned out need to be replaced, while the self-recovery fuse has overcurrent overheating protection, automatic recovery of dual functions.

PPTcs working standard

PPTCs Working Standard

Connected in series to the circuit, when there is an abnormal current, the resistance value rises momentarily and acts as a current limiter. When the abnormal current disappears, it returns to a low resistance state and the circuit operates normally.

Resettable Polymer PPTC 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: 0.90A, Maximum Voltage: 60Vdc, Operating Temperature: -40 to +85

Resettable Polymer PPTC 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	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

Resettable Polymer PPTC 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

Resettable Polymer PPTC Packaging Quantity:

Part Number	Quantity (pcs/reel)
SC135-750SZ0D	500



SOCAY's main products include a full range of Ceramic Gas Discharge Tubes (GDT), Transient Suppression Diodes (TVS Diodes), ESD Suppressor, Thyristor Surge Suppressors (TSS), Spark Gap Protectors (SPG), Varistors (MOV), Chip Varistors (MLV), PTC Resettable Fuse, Negative Temperature Coefficient thermistors (NTC Thermistors), Chip Bead, Schottky Diodes, Zener Diode, etc. From circuit design to product testing (and provide test reports), we will provide you with one-stop services in the field of circuit protection. With excellent quality and service, SOCAY has won extensive praise from customers and respect from the industry.

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