



## 1.0pF 230V Gas Discharge Tube SC1812-230CSMD For Protecting Power Supplies

Our Product Introduction

### Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: UL, REACH, RoHS, ISO
- Model Number: SC1812-230CSMD
- Minimum Order Quantity: 2500PCS
- Price: Negotiable
- Delivery Time: 1-2weeks



### Product Specification

- Description: Gas Discharge Tube
- Pattern: SMD Surface Amount
- Shape: Square
- Package: 4.5\*3.2\*2.7mm
- DC Spark-over Voltage @100V/μs: 230V±20%
- Max. Spark-over Impulse Voltage @100V/μs: 600V
- Max. Spark-over Impulse Voltage @1KV/μs: 750V
- Min. Insulation Resistance: 1GΩ (@50V DC)
- Max. Capacitance: 1.0pF
- Arc Voltage @1A: 15V
- Nom. Impulse Discharge Current: 2KA
- Highlight: **1.0pF Gas Discharge Tube, 230V Gas Discharge Tube**



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## Product Description

### 1.0pF 230V Gas Discharge Tube SC1812-230CSMD, for Protecting Power Supplies

**DATASHEET:** [SC1812\\_v2106.1.pdf](#)

#### Classification

Surface Mount(package size):1206,1210,1812

DIP:2-Electrode,3-Electrode

DC Voltage:75V~800V

High DC Voltage :1000V~6000V

Current:0.5KA~20KA

Response Time≤100NS,SWITH components.

Part Number	DC Spark-over Voltage	Maximum Impulse Spark-over Voltage		Minimum Insulation Resistance	Maximum Capacitance	Arc Voltage	Nominal Impulse Discharge Current
		@100V/μs	@1KV/μs				
SC1812-230CSMD	230V±20%	600V	750V	1 GΩ (at 100V DC)	1.0pF	~15V	2 KA
SC1812-300CSMD	300V±20%	800V	900V	1 GΩ (at 100V DC)	1.0pF	~15V	2 KA
SC1812-350CSMD	350V±20%	800V	900V	1 GΩ (at 100V DC)	1.0pF	~15V	2 KA
SC1812-400CSMD	400V±20%	900V	1000V	1 GΩ (at 100V DC)	1.0pF	~15V	2 KA
SC1812-420CSMD	420V±20%	900V	1000V	1 GΩ (at 100V DC)	1.0pF	~15V	2 KA
SC1812-470CSMD	470V±20%	900V	1000V	1 GΩ (at 100V DC)	1.0pF	~15V	2 KA
SC1812-600CSMD	600V±20%	1100V	1200V	1 GΩ (at 100V DC)	1.0pF	~15V	2 KA

#### Notes:

Terms in accordance with ITU-T K.12 and GB/T 9043-2008

At delivery AQL 0.65 level , DIN ISO 2859



#### Features:

Non-Radioactive

RoHS compliant  
Ultra low capacitance (<1.0 pF)  
UL recognized  
Excellent response to fast rising transients  
2KA surge capability tested with 8/20μs

#### Product Characteristics

Materials	Dull Tin-plated
Product Marking	Without
Storage and Operational Temperature	-40 to +90°C
Weight	~180mg
Climatic category (IEC 60068-1)	40/ 90/ 21

#### FAQ

Q1. Can I have a sample order ?

A: Yes, we welcome sample order to test and check quality. Mixed samples are acceptable.

Q2. What about the lead time?

A: Sample needs 1 days, mass production time needs 1-2 weeks for order quantity more than

Q3. Do you have any MOQ ?

A: MOQ depend on the type of product, 1pc for sample checking is available

Q4. How do you ship the goods and how long does it take to arrive?

A: We usually ship by DHL, UPS, FedEx or TNT. It usually takes 3-5 days to arrive. Airline and sea shipping also optional.

Q5. How to proceed an order ?

A: Firstly let us know your requirements or application.

Secondly We quote according to your requirements or our suggestions.

Thirdly customer confirms the samples and places deposit for formal order.

Fourthly We arrange the production.

Q6: Do you offer guarantee for the products?

A: Yes, we offer 2-5 years warranty to our products.



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