SC1812-90CSMD 2-Electrode GDT 2KA Surface Mount Device UL Recognized

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: UL,REACH,RoHS,ISO
- Model Number: SC1812-90CSMD
- Minimum Order Quantity: 2500PCS
- Price: Negotiable
- Delivery Time: 5-8 work days

Product Specification

- Product Name: Gas Discharge Tube
- Size: 3.2*2.7*4.5mm
- DC Spark-over Voltage @100V/μs: 90V±20%
- Max. Spark-over Impulse Voltage @100V/μs: 600V
- Max. Spark-over Impulse Voltage @1KV/μs: 700V
- Min. Insulation Resistance: 1GΩ (@50V DC)
- Max. Capacitance: 1.0pF
- Arc Voltage @1A: 15V
- Nom. Impulse Discharge Current: 2KA
- Operating Temperature: -40°C~+90°C
- Storage Temperature: -40°C~+90°C
- Highlight: **UL 2-Electrode GDT**, **2-Electrode GDT 2KA**

More Images

Product Description

2-Electrode Gas Discharge Tube (GDT) SC1812-90CSMD, Surface Mount Device, UL Recognized

DATASHEET: SC1812_v2106.1.pdf

Part Number	DC Spark-over Voltage	Maximum Impulse Spark-over Voltage		Minimum Insulation Resistance	Maximum Capacitance	Arc Voltage	Nominal Impulse Discharge Current
	@100V/S	@100V/μs	@1KV/μs		@1MHz	@1A	@8/20μs ±5 times
SC1812-75CSMD	75V±30%	600V	700V	1 GΩ (at 50V DC)	1.0pF	~15V	2 KA
SC1812-90CSMD	90V±20%	600V	700V	1 GΩ (at 50V DC)	1.0pF	~15V	2 KA
SC1812-150CSMD	150V±20%	600V	700V	1 GΩ (at 50V DC)	1.0pF	~15V	2 KA
SC1812-200CSMD	200V±20%	600V	750V	1 GΩ (at 100V DC)	1.0pF	~15V	2 KA
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

Descriptions:
Gas discharge Tubes (GDT) are classical components for protecting the installations of the telecommunications. It is essential that IT and telecommunications systems -with their high-grade but sensitive electronic circuits - be protected by arresters. The 1812 series GDT offers high surge ratings in a miniature package. It's designed for surface mounting on PCB with small size 4.5x3.2x2.7mm. Low insertion loss is perfectly suited to broadband equipment applications. The capacitance does not vary with voltage, and will not cause operational problems with ADSL2+, where capacitance variation across Tip and Ring is undesirable. These devices are extremely robust and are able to divert a 500A pulse in a miniature package 1812 without destruction.

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

Applications:
Communication equipment
CATV equipment
Test equipment
Data lines
Power supplies
Telecom SLIC protection
Broadband equipment
ADSL equipment, including ADSL2+
XDSL equipment
Satellite and CATV equipment
General telecom equipment

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