

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

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 TubeSize: 3.2*2.7*4.5mm

• DC Spark-over Voltage 90V±20%

@100V/μs:

 Max. Spark-over Impulse 600V Voltage @100V/µs:

 Max. Spark-over Impulse 700V Voltage @1KV/µs:

• Min. Insulation Resistance: 1GΩ (@50V DC)

Max. Capacitance: 1.0pFArc Voltage @1A: 15VNom. Impulse Discharge 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

DC Spark- over Voltage			Insulatio n	Maximum Capacitan	1	Nominal Impulse Discharge Current
@100V/S	@100V/μ s	@1KV/μs		@1MHz	@1 A	@8/20µs ±5 times
75V±30%	600V	700V	1 GΩ (at 50V DC)	1.0pF	~15V	2 KA
90V±20%	600V	700V	1 GΩ (at 50V DC)	1.0pF	~15V	2 KA
150V±20%	600V	700V	1 GΩ (at 50V DC)	1.0pF	~15V	2 KA
200V±20%	600V	750V	1 GΩ (at 100V DC)	1.0pF	~15V	2 KA
230V±20%	600V	750V	1 GΩ (at 100V DC)	1.0pF	~15V	2 KA
300V±20%	800V	900V	1 GΩ (at 100V DC)	1.0pF	~15V	2 KA
350V±20%	800V	900V	1 GΩ (at 100V DC)	1.0pF	~15V	2 KA
400V±20%	900V	1000V	1 GΩ (at 100V DC)	1.0pF	~15V	2 KA
420V±20%	900V	1000V	1 GΩ (at 100V DC)	1.0pF	~15V	2 KA
470V±20%	900V	1000V	1 GΩ (at 100V DC)	1.0pF	~15V	2 KA
600V±20%	1100V	1200V	1 GΩ (at 100V DC)	1.0pF	~15V	2 KA
	Spark- over Voltage @100V/S 75V±30% 90V±20% 150V±20% 200V±20% 300V±20% 350V±20% 400V±20% 420V±20%	Spark- over Voltage @100V/S 75V±30% 600V 90V±20% 600V 200V±20% 600V 230V±20% 600V 3300V±20% 800V 4400V±20% 900V 470V±20% 900V	DC Spark- over Voltage Maximum Impulse Spark-over Voltage @100V/S S @100V/μ S @1KV/μs 75V±30% 600V 700V 90V±20% 600V 700V 150V±20% 600V 750V 230V±20% 600V 750V 300V±20% 800V 900V 400V±20% 900V 1000V 420V±20% 900V 1000V 470V±20% 900V 1000V	DC Spark-over Spark-over Spark-over Voltage Spark-over Spark-o	Maximum Impulse Spark-over Voltage	Spark-over voltage

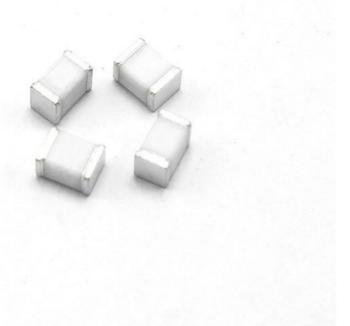
Notes:

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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