



## Low Insertion Loss GDT Tube SC2E5-230LSMD SMD Pacakage 1.0pF

### Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: UL, REACH, RoHS, ISO
- Model Number: SC2E5-230LSMD
- Minimum Order Quantity: 1000PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



### Product Specification

- Product Name: Gas Discharge Tube
- Size: 5\*5\*4.2mm
- DC Spark-over Voltage @100V/μs: 230V±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. Max. Impulse Discharge Current Impulse Discharge Current: 5KA
- Operating Temperature: -40°C~+90°C
- Storage Temperature: -40°C~+90°C
- Max. Impulse Discharge: 10KA



## Product Description

Low Insertion Loss Gas Discharge Tube SC2E5-230LSMD, SMD Pacakage 1.0pF

**DATASHEET:** [SC2E5-SMD\\_v2110.1.pdf](#)

Part Number	DC Spark-over Voltage	Maximum Impulse Spark-over Voltage		Minimum Insulation Resistance	Maximum Capacitance	Arc Voltage	Service Life			
							Nominal Impulse Discharge Current	Max Impulse Discharge Current	Nominal Alternating Discharge Current	Impulse Life
	@100V/S	@100V/μs	@1KV/μs		@1MHz	@1A	@8/20μs ±5 times	@8/20μs 1 time	@50Hz 1 Sec 10 times	@10/100μs 300 times
SC2E5-230LSMD	230V±20%	600V	700V	1 GΩ (at 100V DC)	1.0pF	~20V	5KA	10KA	5A	100A
SC2E5-300LSMD	300V±20%	700V	800V	1 GΩ (at 100V DC)	1.0pF	~20V	5KA	10KA	5A	100A
SC2E5-350LSMD	350V±20%	700V	800V	1 GΩ (at 100V DC)	1.0pF	~20V	5KA	10KA	5A	100A
SC2E5-420LSMD	420V±20%	800V	950V	1 GΩ (at 100V DC)	1.0pF	~20V	5KA	10KA	5A	100A
SC2E5-470LSMD	470V±20%	900V	1000V	1 GΩ (at 100V DC)	1.0pF	~20V	5KA	10KA	5A	100A
SC2E5-600LSMD	600V±20%	1100V	1200V	1 GΩ (at 100V DC)	1.0pF	~20V	5KA	10KA	5A	100A
SC2E5-800LSMD	800V±20%	1200V	1400V	1 GΩ (at 100V DC)	1.0pF	~20V	5KA	10KA	5A	100A
<b>Notes:</b> 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. They are thus fitted at the input of the power supply system together with varistors and at the connection points to telecommunication lines. They have become equally indispensable for protecting base stations in mobile telephone systems as well as extensive cable television (CATV) networks with their repeaters and distribution systems.



#### Features

- ◆ Non-Radioactive
- ◆ RoHS compliant
- ◆ Low insertion loss
- ◆ Excellent response to fast rising transients
- ◆ Ultra low capacitance
- ◆ 5KA surge capability tested with 8/20 $\mu$ s pulse as defined by IEC 61000-4-5

#### Applications:

#### Schematic Symbol



#### Product Characteristics

Materials	Dull Tin-plated
Product Marking	Without
Glow to Arc Transition Current	< 0.5 Amps
Glow Voltage	~60 Volts
Storage and Operational Temperature	-40 to +90°C
Weight	~0.5g
Climatic category (IEC 60068-1)	40/ 90/ 21

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  
Consumer electronics



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