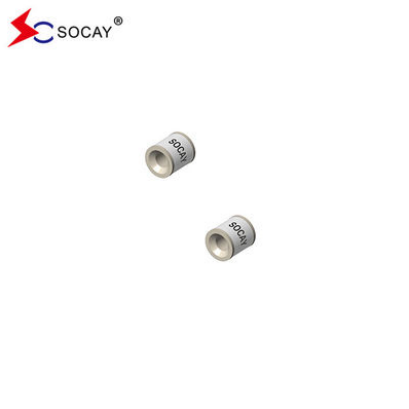
SOCAY SC2E5-230L GDT Electronic Component 10KA Response To Fast Rising Transients

Our Product Introduction

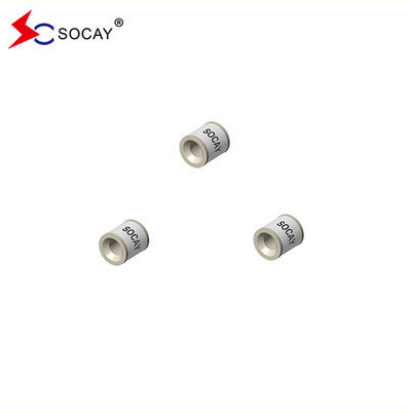
Basic Information

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



Product Specification

- Product Name: Gas Discharge Tube
- Size: φ5.5*6mm
- 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



More Images

Our Product Introduction

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Product Description

Without Wire Devices Gas Discharge Tube SC2E5-230L, Excellent Response to Fast Rising Transients

DATASHEET: SC2E5_v91.1.pdf

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.

These protective components are also indispensable in other sectors, In AC power transmission systems, they are often used with current-limiting varistors, In customer premises equipment such as DSL modems, WLAN routers, TV sets and cable modems

In air-conditioning equipment, the integral black-box concept offers graduated protection by combining arresters with varistors, PTC, diodes and inductor.

Electrical Characteristics

Part Number	Marking	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	@10/1000μs 300 times
SC2E5-75LL SC2E5-75L	SOCAY 75L	75V±20%	<500V	<600V	1 GΩ (at 25V)	<1.0pF	~15V	5KA	10KA	5A	100A
SC2E5-90LL SC2E5-90L	SOCAY 90L	90V±20%	<500V	<600V	1 GΩ (at 50V)	<1.0pF	~15V	5KA	10KA	5A	100A
SC2E5-150LL SC2E5-150L	SOCAY 150L	150V±20%	<500V	<600V	1 GΩ (at 50V)	<1.0pF	~20V	5KA	10KA	5A	100A
SC2E5-230LL SC2E5-230L	SOCAY 230L	230V±20%	<600V	<700V	1 GΩ (at 100V)	<1.0pF	~20V	5KA	10KA	5A	100A
SC2E5-250LL SC2E5-250L	SOCAY 250L	250V±20%	<700V	<800V	1 GΩ (at 100V)	<1.0pF	~20V	5KA	10KA	5A	100A
SC2E5-300LL SC2E5-300L	SOCAY 300L	300V±20%	<800V	<900V	1 GΩ (at 100V)	<1.0pF	~20V	5KA	10KA	5A	100A
SC2E5-350LL SC2E5-350L	SOCAY 350L	350V±20%	<800V	<900V	1 GΩ (at 100V)	<1.0pF	~20V	5KA	10KA	5A	100A
SC2E5-420LL SC2E5-420L	SOCAY 420L	420V±20%	<900V	< 1000V	1 GΩ (at 100V)	<1.0pF	~20V	5KA	10KA	5A	100A
SC2E5-470LL SC2E5-470L	SOCAY 470L	470V±20%	<900V	< 1000V	1 GΩ (at 100V)	<1.0pF	~20V	5KA	10KA	5A	100A
SC2E5-600LL SC2E5-600L	SOCAY 600L	600V±20%	<1100V	< 1200V	1 GΩ (at 100V)	<1.0pF	~20V	5KA	10KA	5A	100A
SC2E5-800LL SC2E5-800L	SOCAY 800L	800V±20%	<1200V	< 1400V	1 GΩ (at 100V)	<1.0pF	~20V	5KA	10KA	5A	100A

Notes:
1). Terms in accordance with ITU-T K.12 and GB/T 9043-2008
2). At delivery AQL 0.65 level II, DIN ISO 2859

Part Number	Marking	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	@10/1000μs 300 times
SC2E5-75LL SC2E5-75L	SOCAY75L	75V±20%	500V	600V	1 GΩ (at 25V)	1.0pF	~15V	5KA	10KA	5A	100A
SC2E5-90LL SC2E5-90L	SOCAY90L	90V±20%	500V	600V	1 GΩ (at 50V)	1.0pF	~15V	5KA	10KA	5A	100A
SC2E5-150LL SC2E5-150L	SOCAY150L	150V±20%	500V	600V	1 GΩ (at 50V)	1.0pF	~20V	5KA	10KA	5A	100A

SC2E5-230LL SC2E5-230L	SOCAY230L	230V±20%	600V	700V	1 GΩ (at 100V)	1.0pF	~20V	5KA	10KA	5A	100A
SC2E5-250LL SC2E5-250L	SOCAY250L	250V±20%	700V	800V	1 GΩ (at 100V)	1.0pF	~20V	5KA	10KA	5A	100A
SC2E5-300LL SC2E5-300L	SOCAY300L	300V±20%	800V	900V	1 GΩ (at 100V)	1.0pF	~20V	5KA	10KA	5A	100A
SC2E5-350LL SC2E5-350L	SOCAY350L	350V±20%	800V	900V	1 GΩ (at 100V)	1.0pF	~20V	5KA	10KA	5A	100A
SC2E5-420LL SC2E5-420L	SOCAY420L	420V±20%	900V	1000V	1 GΩ (at 100V)	1.0pF	~20V	5KA	10KA	5A	100A
SC2E5-470LL SC2E5-470L	SOCAY470L	470V±20%	900V	1000V	1 GΩ (at 100V)	1.0pF	~20V	5KA	10KA	5A	100A
SC2E5-600LL SC2E5-600L	SOCAY600L	600V±20%	1100V	1200V	1 GΩ (at 100V)	1.0pF	~20V	5KA	10KA	5A	100A
SC2E5-800LL SC2E5-800L	SOCAY800L	800V±20%	1200V	1400V	1 GΩ (at 100V)	1.0pF	~20V	5KA	10KA	5A	100A
Notes: 1). Terms in accordance with ITU-T K.12 and GB/T 9043-2008 2). At delivery AQL 0.65 level , DIN ISO 2859											

Features

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

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
- Consumer electronics

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