800V Gas Tube Arrester SC2E5-800LSMD 5KA GDT Surge Protection With 8/20μS Pulse

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: UL,REACH,RoHS,ISO
- Model Number: SC2E5-800LSMD
- 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: 800V±20%
- Max. Spark-over Impulse Voltage @100V/μs: 1200V
- Max. Spark-over Impulse Voltage @1KV/μs: 1400V
- Max. Capacitance: 1.0pF
- Nom.Max. Impulse Discharge Current Impulse Discharge Current: 5KA
- Max. Impulse Discharge Current: 10KA
- Nom. Alternating Discharge Current: 5A
- Impulse Life: 100A

Product Description

800V Gas Discharge Tube Arresters SC2E5-800LSMD, 5KA Surge Capability Tested with 8/20μs Pulse

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	@10/1000μs 300 times
SC2E5-75LSMD	75V±20%	500V	650V	1 GΩ (at 50V DC)	1.0pF	~15V	5KA	10KA	5A	100A
SC2E5-90LSMD	90V±20%	500V	650V	1 GΩ (at 50V DC)	1.0pF	~15V	5KA	10KA	5A	100A
SC2E5-150LSMD	150V±20%	500V	650V	1 GΩ (at 50V DC)	1.0pF	~20V	5KA	10KA	5A	100A
SC2E5-200LSMD	200V±20%	500V	650V	1 GΩ (at 100V DC)	1.0pF	~20V	5KA	10KA	5A	100A
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

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. 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.

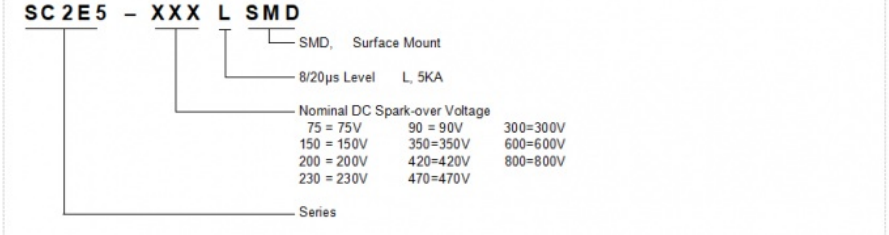
Features:
Non-Radioactive
RoHS compliant
Low insertion loss
Excellent response to fast rising transients
Ultra low capacitance
5KA surge capability tested with 8/20μs pulse as defined by IEC 61000-4-5

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

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.

Part Numbering



Cautions and Warnings

- Gas discharge tubes (GDT) must not be operated directly in power supply networks.
- Gas discharge tubes (GDT) may become hot in case of longer periods of current stress (danger of burning).
- Gas discharge tubes (GDT) may be used only within their specified values. In the event of overload, the head contacts may fail or the component may be destroyed.
- Damaged Gas discharge tubes (GDT) must not be re-used.

Shenzhen Socay Electronics Co., Ltd.

+8618126201429 sylvia@socay.com socaydiode.com

4/F, Block C, HeHengXing Science & Technology Park, 19 MinQing Road, LongHua District, Shenzhen City, GuangDong Province, China