



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



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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 | @10/100μs 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 8/20 μ s pulse as defined by IEC 61000-4-5

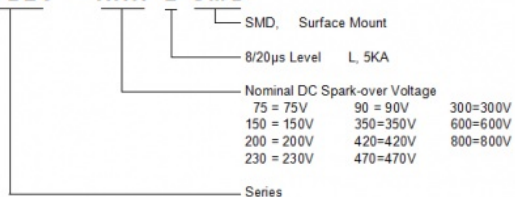
Applications

- ◆ 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

SC 2 E 5 - XXX L SMD



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.

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