



## Axial Leaded Gas Discharge Tube 350V GDT SC2E5-350LL Low Insertion Loss

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: UL, REACH, RoHS, ISO
- Model Number: SC2E5-350LL
- Minimum Order Quantity: 1000PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



### Product Specification

- Product Name: Gas Discharge Tube
- Size:  $\phi 5.5 \times 6\text{mm}$
- DC Spark-over Voltage @100V/ $\mu\text{s}$ :  $350\text{V} \pm 20\%$
- Max. Spark-over Impulse Voltage @100V/ $\mu\text{s}$ : 800V
- Max. Spark-over Impulse Voltage @1KV/ $\mu\text{s}$ : 900V
- Min. Insulation Resistance:  $1\text{G}\Omega$  (@50V DC)
- Max. Capacitance: 1.0pF
- Arc Voltage @1A: 15V
- Nom. Max. Impulse Discharge Current Impulse Discharge Current: 5KA
- Max. Impulse Discharge Current: 10KA
- Nom. Alternating Discharge 5A



### More Images



### 350V Axial Leaded GDT SC2E5-350LL, Low Insertion Loss Gas Discharge Tube

### Description

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

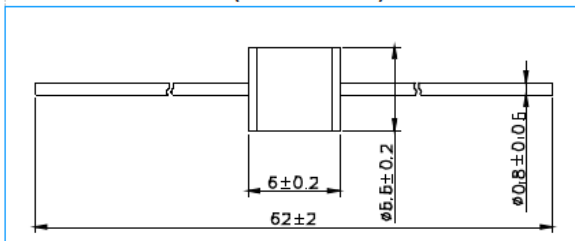
**Notes:**  
 1). Terms in accordance with IEC 60361-1 and GB/T 9043-2008  
 2). At delivery AQL 0.65 level II, DIN ISO 2859

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|                                                                                                                              |        | @100V/<br>S | @100<br>V/μs | @1K<br>V/μs |                   | @1MHz | @1A  | @8/20μ<br>s<br>±5<br>times | @8/20μ<br>s<br>1 time | @50Hz<br>1 Sec | @10/10<br>00μs<br>300<br>times |
|------------------------------------------------------------------------------------------------------------------------------|--------|-------------|--------------|-------------|-------------------|-------|------|----------------------------|-----------------------|----------------|--------------------------------|
| SC2E5-75LL                                                                                                                   | SOCAY7 | 75V±20%     | 500V         | 600V        | 1 GΩ (at<br>25V)  | 1.0pF | ~15V | 5KA                        | 10KA                  | 5A             | 100A                           |
| SC2E5-75L                                                                                                                    | 5L     |             |              |             |                   |       |      |                            |                       |                |                                |
| SC2E5-90LL                                                                                                                   | SOCAY9 | 90V±20%     | 500V         | 600V        | 1 GΩ (at<br>50V)  | 1.0pF | ~15V | 5KA                        | 10KA                  | 5A             | 100A                           |
| SC2E5-90L                                                                                                                    | 0L     |             |              |             |                   |       |      |                            |                       |                |                                |
| SC2E5-150LL                                                                                                                  | SOCAY1 | 150V±20%    | 500V         | 600V        | 1 GΩ (at<br>50V)  | 1.0pF | ~20V | 5KA                        | 10KA                  | 5A             | 100A                           |
| SC2E5-150L                                                                                                                   | 50L    |             |              |             |                   |       |      |                            |                       |                |                                |
| SC2E5-230LL                                                                                                                  | SOCAY2 | 230V±20%    | 600V         | 700V        | 1 GΩ (at<br>100V) | 1.0pF | ~20V | 5KA                        | 10KA                  | 5A             | 100A                           |
| SC2E5-230L                                                                                                                   | 30L    |             |              |             |                   |       |      |                            |                       |                |                                |
| SC2E5-250LL                                                                                                                  | SOCAY2 | 250V±20%    | 700V         | 800V        | 1 GΩ (at<br>100V) | 1.0pF | ~20V | 5KA                        | 10KA                  | 5A             | 100A                           |
| SC2E5-250L                                                                                                                   | 50L    |             |              |             |                   |       |      |                            |                       |                |                                |
| SC2E5-300LL                                                                                                                  | SOCAY3 | 300V±20%    | 800V         | 900V        | 1 GΩ (at<br>100V) | 1.0pF | ~20V | 5KA                        | 10KA                  | 5A             | 100A                           |
| SC2E5-300L                                                                                                                   | 00L    |             |              |             |                   |       |      |                            |                       |                |                                |
| SC2E5-350LL                                                                                                                  | SOCAY3 | 350V±20%    | 800V         | 900V        | 1 GΩ (at<br>100V) | 1.0pF | ~20V | 5KA                        | 10KA                  | 5A             | 100A                           |
| SC2E5-350L                                                                                                                   | 50L    |             |              |             |                   |       |      |                            |                       |                |                                |
| SC2E5-420LL                                                                                                                  | SOCAY4 | 420V±20%    | 900V         | 1000V       | 1 GΩ (at<br>100V) | 1.0pF | ~20V | 5KA                        | 10KA                  | 5A             | 100A                           |
| SC2E5-420L                                                                                                                   | 20L    |             |              |             |                   |       |      |                            |                       |                |                                |
| SC2E5-470LL                                                                                                                  | SOCAY4 | 470V±20%    | 900V         | 1000V       | 1 GΩ (at<br>100V) | 1.0pF | ~20V | 5KA                        | 10KA                  | 5A             | 100A                           |
| SC2E5-470L                                                                                                                   | 70L    |             |              |             |                   |       |      |                            |                       |                |                                |
| SC2E5-600LL                                                                                                                  | SOCAY6 | 600V±20%    | 1100V        | 1200V       | 1 GΩ (at<br>100V) | 1.0pF | ~20V | 5KA                        | 10KA                  | 5A             | 100A                           |
| SC2E5-600L                                                                                                                   | 00L    |             |              |             |                   |       |      |                            |                       |                |                                |
| SC2E5-800LL                                                                                                                  | SOCAY8 | 800V±20%    | 1200V        | 1400V       | 1 GΩ (at<br>100V) | 1.0pF | ~20V | 5KA                        | 10KA                  | 5A             | 100A                           |
| SC2E5-800L                                                                                                                   | 00L    |             |              |             |                   |       |      |                            |                       |                |                                |
| <b>Notes:</b><br>1). Terms in accordance with ITU-T K.12 and GB/T 9043-2008<br>2). At delivery AQL 0.65 level , DIN ISO 2859 |        |             |              |             |                   |       |      |                            |                       |                |                                |

#### Dimensions (Unit: mm)

##### Axial Leaded Devices (SC2E5-XXXLL)



|                                            |                                                     |        |
|--------------------------------------------|-----------------------------------------------------|--------|
| <b>Materials</b>                           | Nickel-plated with Tinplated wires                  |        |
| <b>Product Marking</b>                     | <b>SOCAY XXXL</b><br>XXX -Nominal voltage<br>L -5KA |        |
| <b>Glow to Arc Transition Current</b>      | < 0.5 Amps                                          |        |
| <b>Glow Voltage</b>                        | ~60 Volts                                           |        |
| <b>Storage and Operational Temperature</b> | -40 to +90°C                                        |        |
| <b>Climatic category (IEC 60068-1)</b>     | 40/90/21                                            |        |
| <b>Weight</b>                              | SC2E5-XXXLL                                         | ~1.0g  |
|                                            | SC2E5-XXXL                                          | ~0.85g |

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