

## 10kA Gas Discharge Tube with Tinned Copper Lead Material and PA66 Housing Material SC2E5 4000DL

Our Product Introduction

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### Basic Information

- Place of Origin: GUANGDONG, China
- Brand Name: Socay
- Model Number: SC2E5-4000DL
- Minimum Order Quantity: 1000 PCS
- Price: Negotiable



### Product Specification

- Weight: 1.0g
- DC Sparkover Voltage: 4000V $\pm$ 20%
- Product Name: Gas Discharge Tube
- Application: Surge Protection
- Dimensions: 6.5mm X 6.5mm X 5.5mm
- Current Rating: 2.5kA
- Response Time: 25ns
- Lead Diameter: 1.5mm
- Highlight: Tinned Copper Lead Gas Discharge Tube, PA66 Gas Discharge Tube, 10kA Gas Discharge Tube



## Product Description

### Product Description:

Product Overview: Gas Discharge Tube

The Gas Discharge Tube, also known as GDTs or Gas Plasma Arrestors, is a highly effective and reliable component used for surge protection in electronic circuits. It is designed to protect sensitive electronic equipment from high voltage and high current surges caused by lightning strikes, power fluctuations, and other electrical disturbances.

With its compact size of 6.5mm x 6.5mm x 5.5mm, the Gas Discharge Tube is suitable for a wide range of applications in various industries, including telecommunications, power distribution, and transportation. Its small size allows for easy integration into circuit boards and other electronic systems, making it an essential component for protecting critical equipment from damage.

The Gas Discharge Tube has a high current rating of 10kA, enabling it to handle large surges without compromising its performance. This makes it an ideal choice for applications that require high levels of surge protection, such as outdoor communication equipment and power transmission systems.

The housing material used for the Gas Discharge Tube is PA66, a type of thermoplastic material known for its excellent mechanical strength and resistance to high temperatures. This ensures that the GDT can withstand harsh environmental conditions and maintain its performance over a long period of time.

The lead material for the Gas Discharge Tube is tinned copper, a highly conductive material that allows for efficient discharge of high currents. This helps to protect the electronic equipment from damage and ensures the longevity of the GDT.

Overall, the Gas Discharge Tube is a reliable and effective solution for protecting electronic circuits from surges and other electrical disturbances. Its small size, high current rating, and durable materials make it an essential component for ensuring the smooth operation of electronic equipment in a variety of industries.

### Features:

**Product Name:** Gas Discharge Tube

**Lead Diameter:** 1.5mm

**Certifications:** UL, CUL, VDE, RoHS

**Weight:** 1.0g

**Response Time:** 25ns

**Gas Discharge Tubes - GDTs / Gas Plasma Arrestors**

**GDT Gas Discharge Tube**

**Carbon Steel Pipe Tube**

### Technical Parameters:

| Attribute             | Value                 |
|-----------------------|-----------------------|
| Product Name          | Gas Discharge Tube    |
| Maximum Capacitance   | <1.0pF                |
| DC Spark-over Voltage | 4000V±20%             |
| Insulation Resistance | 2MΩ                   |
| Dimensions            | 6.5mm X 6.5mm X 5.5mm |
| Weight                | 0.8g                  |
| Certifications        | UL, CUL, VDE, RoHS    |
| Lead Diameter         | 1.5mm                 |
| Current Rating        | 2.5kA                 |
| Housing Material      | PA66                  |

### Applications:

Gas Discharge Tube - Protecting Your Electrical Equipment

Brand Name: Socay

Model Number: SC2E5-4000DL

Place of Origin: GUANGDONG, China

Current Rating: 2.5kA

Housing Material: PA66

Voltage Rating: 4000V±20%

Operating Temperature: -40 ~ +90

Insulation Resistance: 2MΩ

Gas Discharge Tube, also known as Gas Spring Cylinder, is an essential component used in various electrical equipment to protect them from sudden voltage surges and lightning strikes. Socay's SC2E5-2000DL model is a highly reliable and durable gas discharge tube that is widely used in different industries.

Applications of Gas Discharge Tubes

1. Telecommunication equipment: Gas discharge tubes are commonly used in telecommunication equipment such as routers, modems, and switches to protect them from power surges and lightning strikes.

2. Power distribution systems: Gas discharge tubes are used in power distribution systems to protect transformers, generators, and other equipment from voltage surges.
3. Medical equipment: Medical equipment such as MRI machines, ultrasound machines, and X-ray machines use gas discharge tubes to protect their sensitive electronic components from power surges.
4. Renewable energy systems: Solar panels and wind turbines are vulnerable to lightning strikes and voltage surges. Gas discharge tubes are used in these systems to protect them from damage and ensure their smooth functioning.
5. Automotive industry: Gas discharge tubes are used in cars, trucks, and other vehicles to protect their electronic systems from voltage spikes caused by lightning or faulty electrical systems.

#### Product Features

1. High current rating: The Socay SC2E5-2000DL gas discharge tube has a current rating of 10kA, which means it can handle high levels of current without getting damaged.
2. Durable housing material: The housing material of the gas discharge tube is made of PA66, a strong and durable material that can withstand harsh environmental conditions.
3. Wide voltage rating: The gas discharge tube has a voltage rating of 400V, making it suitable for use in various electrical systems.
4. Wide operating temperature range: The Socay gas discharge tube can operate in temperatures ranging from -40 to +90, making it suitable for use in extreme weather conditions.
5. High insulation resistance: The gas discharge tube has an insulation resistance of 2MΩ, ensuring the safety and reliability of your electrical equipment.

#### Conclusion

The Socay SC2E5-2000DL gas discharge tube is a highly efficient and reliable product that is widely used in different industries to protect electrical equipment from voltage surges and lightning strikes. With its high current rating, durable housing material, wide voltage rating, and wide operating temperature range, it is an essential component for ensuring the smooth functioning of your equipment.

### Customization:

Customization Service for Gas Discharge Tube - Socay

Brand Name: Socay  
Model Number: SC2E5-4000DL  
Place of Origin: GUANGDONG, China  
Insulation Resistance: 2MΩ  
Current Rating: 2.5kA  
Lead Material: Tinned Copper  
Certifications: UL, CUL, VDE, RoHS  
Housing Material: PA66

At Socay, we understand that every customer has unique needs and requirements. That's why we offer a comprehensive customization service for our Gas Discharge Tube. With our customization service, you can tailor our product to your specific needs and preferences, ensuring the highest level of satisfaction.

Our Gas Discharge Tube is made of high-quality materials, including carbon steel pipe tube and gas spring cylinder, ensuring durability and reliability. With a brand name of Socay, you can trust the quality of our product.

The model number of our Gas Discharge Tube is SC2E5-4000DL, and it is manufactured in GUANGDONG, China. It has an insulation resistance of 2MΩ, making it safe to use. The current rating of our product is 10kA, making it suitable for a wide range of applications. The lead material used in our Gas Discharge Tube is tinned copper, which ensures excellent conductivity and corrosion resistance. Our product has also been certified by UL, CUL, VDE, and RoHS, ensuring its compliance with international standards and regulations. Moreover, our Gas Discharge Tube comes with a housing material of PA66, which provides excellent protection against external factors and ensures a longer lifespan.

With our customization service, you can modify the specifications, dimensions, and materials of our Gas Discharge Tube according to your requirements. Our team of experts will work closely with you to ensure that the final product meets your expectations.

Trust Socay for all your Gas Discharge Tube needs and experience our top-notch customization service. Contact us now to get started!

### FAQ:

**Q: What is the brand name of this product?**

A: The brand name of this product is Socay.

**Q: What is the model number of this product?**

A: The model number of this product is SC2E5-4000DL.

**Q: Where is this product manufactured?**

A: This product is manufactured in GUANGDONG, China.

**Q: What is the function of a Gas Discharge Tube?**

A: A Gas Discharge Tube is used to protect electronic devices from voltage surges and lightning strikes.

**Q: How long is the lifespan of this product?**

A: The lifespan of this product is typically 10-15 years, depending on usage and environmental conditions.



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