



## 10kA Gas Discharge Tube with Tinned Copper Lead Material and PA66 Housing Material SC2E5 1000DL

Our Product Introduction

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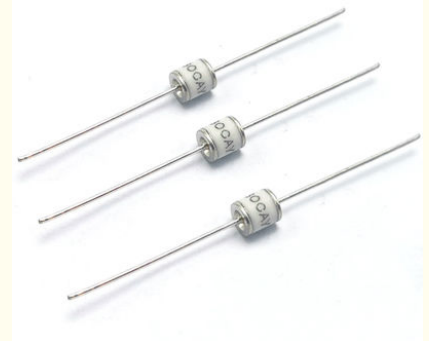
### Basic Information

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



### Product Specification

- Application: 1.0g
- DC Sparkover Voltage: 1000V±20%
- Product Name: Gas Discharge Tube
- Operating Temperature: -40 ~ +90
- Lead Diameter: 1.5mm
- Insulation Resistance: 2.5kA
- Certifications: UL, CUL, VDE, RoHS
- Response Time: 25ns
- Highlight: **Tinned Copper Lead Gas Discharge Tube,  
PA66 Gas Discharge Tube,  
SC2E5 1000DL Gas Discharge Tube**



## Product Description

### Product Description:

#### Gas Discharge Tube

Gas Discharge Tube, also known as GDT, is a type of electrical component used for surge protection. It consists of a small, sealed glass or ceramic tube filled with noble gases such as neon, argon, or xenon. When the voltage exceeds a certain threshold, the gases inside the tube ionize and create a low-resistance path for the surge current to flow, protecting the circuit from damage.

Lead Material: Tinned Copper

The leads of Gas Discharge Tube are made of tinned copper, a type of copper that has been coated with a thin layer of tin. This material is highly conductive and has excellent corrosion resistance, making it suitable for use in various electrical applications.

Lead Diameter: 1.5mm

The lead diameter of Gas Discharge Tube is 1.5mm, which is considered the standard size for this type of component. This size allows for easy installation and connection to other electrical components.

Insulation Resistance: 2MΩ

The insulation resistance of Gas Discharge Tube is 2MΩ, which means that it can withstand high voltage without allowing current to pass through. This is an important feature for surge protection, as it ensures that the surge current is directed through the tube and not to other sensitive components.

Application: Surge Protection

The main application of Gas Discharge Tube is for surge protection. It is commonly used in electrical systems and equipment to protect them from high voltage surges, such as lightning strikes or power grid fluctuations. Its fast response time and high reliability make it an ideal choice for surge protection.

Dimensions: 6.5mm X 6.5mm X 5.5mm

The Gas Discharge Tube has a compact size, with dimensions of 6.5mm X 6.5mm X 5.5mm. This allows it to be easily integrated into various electrical systems and equipment without taking up too much space. Its small size also makes it convenient for transportation and storage.

In conclusion, Gas Discharge Tube is a reliable and efficient surge protection component made of tinned copper leads and filled with noble gases. Its small size, high insulation resistance, and fast response time make it a popular choice for various electrical applications. So if you want to ensure the safety and stability of your electrical systems, consider using Gas Discharge Tube as your surge protection solution.

### Features:

Product Name: Gas Discharge Tube

Weight: 1.0g

DC Spark-over Voltage: 1000V±20%

Lead Diameter: 1.5mm

Maximum Capacitance: <1.0pF

Gas Spring Cylinder

Gas Discharge Tubes - GDTs / Gas Plasma Arrestors

Carbon Steel Pipe Tube

### Technical Parameters:

#### Gas Discharge Tube Technical Parameters

Parameter	Value
Product Name	Gas Discharge Tube
Response Time	25ns
Housing Material	PA66
Maximum Capacitance	<1.0pF
Dimensions	6.5mm X 6.5mm X 5.5mm
Operating Temperature	-40 ~ +90
Lead Diameter	1.5mm
Certifications	UL, CUL, VDE, RoHS
Current Rating	2.5kA
Application	Surge Protection

### Applications:

Gas Discharge Tube - Protecting Your Electrical Equipment

Brand Name: Socay

Model Number: SC2E5-1000DL

Place of Origin: GUANGDONG, China

Gas Discharge Tube, also known as GDT Gas Discharge Tube, is a type of protective device used in electrical circuits to protect against overvoltage or voltage surges. These tubes are produced by Socay, a leading manufacturer in the field of electronic components.

Product Name: Gas Discharge Tube

Socay's Gas Discharge Tube is designed with the most advanced technology and made of high-quality materials to ensure its reliability and effectiveness. This product is widely used in various industries such as telecommunications, power distribution, transportation, and more.

Housing Material: PA66

The housing material of Socay's Gas Discharge Tube is made of PA66, a type of thermoplastic material known for its high strength, toughness, and resistance to heat and chemicals. This ensures the durability and long lifespan of the product.

Current Rating: 10kA

With a current rating of 2.5kA, Socay's Gas Discharge Tube can handle high voltage surges and protect your electrical equipment from damage. This makes it suitable for use in both residential and industrial settings.

Certifications: UL, CUL, VDE, RoHS

As a reputable manufacturer, Socay's Gas Discharge Tube has obtained various certifications, including UL, CUL, VDE, and RoHS. These certifications ensure that the product meets international safety and quality standards.

Response Time: 25ns

Socay's Gas Discharge Tube has a response time of only 25ns, which means it can quickly detect and suppress voltage surges, providing immediate protection for your equipment. This fast response time makes it highly reliable and efficient in preventing equipment damage.

Applications and Scenarios

Socay's Gas Discharge Tube can be used in a variety of applications and scenarios, including:

Telecommunications - to protect against lightning strikes and power surges in telephone lines, antennas, and other communication equipment.

Power distribution - to protect transformers, power lines, and other electrical equipment from voltage surges caused by lightning or other factors.

Transportation - to protect electronic systems in vehicles, trains, and airplanes from voltage spikes and electromagnetic interference.

Industrial equipment - to safeguard machinery and control systems from damage caused by power surges and other electrical disturbances.

Residential use - to protect household appliances, computers, and other electronic devices from voltage fluctuations and lightning strikes.

No matter where you are, Socay's Gas Discharge Tube can provide reliable protection for your electrical equipment, ensuring their smooth and safe operation.

Choose Socay's Gas Discharge Tube, made with Ferritic Stainless Steel Tube, and experience the best protection for your electrical equipment. Don't let voltage surges and power disturbances damage your expensive equipment, trust Socay for quality and reliability.

## Customization:

GDT Gas Discharge Tube Customization Service

Brand Name: Socay

Model Number: SC2E5-1000DL

Place of Origin: GUANGDONG, China

Current Rating: 2.5kA

DC Spark-over Voltage: 1000V±20%

Operating Temperature: -40 ~ +90

Maximum Capacitance: <1.0pF

Application: Surge Protection

Product Description

The GDT Gas Discharge Tube, also known as Gas Discharge Tubes (GDTs) or Gas Plasma Arrestors, is a reliable and efficient solution for surge protection in various electrical applications. As a reliable GDT Gas Discharge Tube supplier, Socay offers customizable services to meet specific requirements of our customers.

Customization Options

Socay's GDT Gas Discharge Tube can be customized according to the following options:

Brand Name: Socay or OEM

Model Number: SC2E5-1000DL or customized

Place of Origin: GUANGDONG, China or customized

Current Rating: 2.5kA or customized

Operating Temperature: -40 ~ +90 or customized

Maximum Capacitance: <1.0pF or customized

Application: Surge Protection or customized

Why Choose Socay?

As a leading GDT Gas Discharge Tube supplier, Socay has the following advantages:

High-quality materials: Our GDT Gas Discharge Tubes are made of high-quality materials, ensuring reliable and long-lasting performance.

Customization capabilities: We offer customizable services to meet specific needs of our customers.

Professional team: Our team has years of experience in the industry, providing professional technical support and services.

Strict quality control: All of our products undergo strict quality control to ensure their reliability and safety.

Competitive prices: We offer competitive prices for our high-quality products.

Fast delivery: We have a strong supply chain and efficient production processes, ensuring fast delivery of orders.

Choose Socay as your GDT Gas Discharge Tube supplier and enjoy reliable and efficient surge protection for your electrical applications. Contact us now for more information and customization options!

## FAQ:



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