



## 25ns Response Time Carbon Steel Pipe Tube with 400V Voltage Rating SC2E5 3600DL

Our Product Introduction

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### Basic Information

- Place of Origin: GUANGDONG, China
- Brand Name: Socay
- Model Number: SC2E5-3600DL
- Minimum Order Quantity: 1000 PCS
- Price: Negotiable



### Product Specification

- Operating Temperature: -40 ~ +90
- Response Time: 25ns
- Voltage Rating: 400V
- Minimum Insulation Resistan: 1 GΩ
- Current Rating: 10kA
- Maximum Capacitance: 1.0pF
- Weight: ~1.0g
- Materials: Nickel-plated With Tinplated Wir
- Highlight: **SC2E5 3600DL Carbon Steel Pipe Tube, 25ns Carbon Steel Pipe Tube, 400V Carbon Steel Pipe Tube**



## Product Description

### Product Description:

#### Gas Discharge Tube

The Gas Discharge Tube (GDT) is a highly efficient and reliable device designed to provide high voltage protection and overvoltage protection. It is widely used in various electronic and electrical applications to protect against transient overvoltages caused by lightning strikes, power surges, and other voltage fluctuations.

#### Dimensions

The Gas Discharge Tube has a compact size of 6.5mm X 6.5mm X 5.5mm, making it easy to install in tight spaces and suitable for a wide range of applications. Its small size also allows for a high density of protection devices in a limited space.

#### Certifications

The Gas Discharge Tube has been certified by recognized organizations such as UL, CUL, VDE, and RoHS, ensuring its compliance with international safety and environmental standards. This makes it a trusted and reliable choice for protecting sensitive electronic equipment.

#### Weight

The Gas Discharge Tube is lightweight, weighing only 0.8g, which makes it easy to handle and install without adding extra weight to the overall system. Its lightweight design also reduces transportation costs and makes it suitable for use in portable devices.

#### Current Rating

The Gas Discharge Tube has a high current rating of 10kA, which means it can handle high surge currents and protect against high voltage spikes. This makes it suitable for use in high-power applications and in areas with high risk of lightning strikes.

#### Housing Material

The Gas Discharge Tube is made of PA66, a durable and flame-retardant thermoplastic material that provides excellent mechanical strength and resistance to high temperatures. This ensures the safety and reliability of the device in various operating conditions.

#### Key Features

Ferritic Stainless Steel Pipe Tube for high conductivity and durability

High voltage protection and overvoltage protection

Compact size for easy installation and high density protection

UL, CUL, VDE, and RoHS certified for safety and compliance

Lightweight design for easy handling and transport

High current rating of 10kA for effective surge protection

PA66 housing material for durability and resistance to high temperatures

### Features:

Product Name: Gas Discharge Tube

Response Time: 25ns

Current Rating: 10kA

Application: Surge Protection

Voltage Rating: 400V

Lead Diameter: 1.5mm

### Technical Parameters:

<b>Dimensions</b>	6.5mm X 6.5mm X 5.5mm
<b>Certifications</b>	UL, CUL, VDE, RoHS
<b>Response Time</b>	25ns
<b>Insulation Resistance</b>	2MΩ
<b>Maximum Capacitance</b>	<1.0pF
<b>Product Name</b>	Gas Discharge Tube
<b>Lead Diameter</b>	1.5mm
<b>Lead Material</b>	Tinned Copper
<b>Operating Temperature</b>	-40 ~ +90
<b>Application</b>	Surge Protection
<b>GDT Type</b>	Gas Discharge Tubes - GDTs / Gas Plasma Arrestors
<b>Material</b>	Carbon Steel Pipe Tube

### Applications:

Gas Discharge Tube - Socay

Brand Name: Socay

Socay is a leading manufacturer of Gas Discharge Tubes (GDTs), also known as Gas Plasma Arrestors, used for high voltage protection

and overvoltage protection. Our company is committed to providing high-quality and reliable products to our customers.  
Model Number: SC2E5-3600DL

The SC2E5-3600DL is a high-performance Gas Discharge Tube designed and manufactured by Socay. It is designed for use in various applications that require overvoltage protection, such as telecommunication equipment, power supply systems, and industrial control systems.

Place of Origin: GUANGDONG, China

All our Gas Discharge Tubes are proudly made in our factory located in GUANGDONG, China. We have a team of experienced engineers and technicians who ensure the quality and performance of our products meet international standards.

Certifications: UL, CUL, VDE, RoHS

Socay's Gas Discharge Tubes are certified by UL, CUL, VDE, and RoHS, which means they have been tested and proven to meet safety and quality standards. Our products are also environmentally friendly and comply with the RoHS directive.

Insulation Resistance: 2MΩ

The SC2E5-3600DL has an insulation resistance of 2MΩ, which ensures safe and reliable operation even in high voltage applications.

This feature makes it suitable for use in various industries, including telecommunications, power transmission, and industrial control.

Housing Material: PA66

The housing of our Gas Discharge Tubes is made of PA66, a durable and flame-retardant material that can withstand extreme temperatures and harsh environments. This ensures the safety and longevity of our products.

Lead Material: Tinned Copper

Our Gas Discharge Tubes use tinned copper as the lead material. This material has excellent electrical conductivity and corrosion resistance, making it ideal for use in high-voltage applications.

Maximum Capacitance: <1.0pF

The SC2E5-3600DL has a maximum capacitance of less than 1.0pF, which helps to minimize signal loss and ensures the smooth operation of electronic equipment. This feature is crucial in applications that require high-frequency performance.

Gas Discharge Tubes - GDTs / Gas Plasma Arrestors

Gas Discharge Tubes, also known as GDTs or Gas Plasma Arrestors, are devices used for overvoltage protection by diverting excess electrical energy to ground. They consist of a ferritic stainless steel tube filled with a special gas mixture, which ionizes when exposed to high voltage, creating a low-resistance path for the excess energy to flow through.

Applications of Gas Discharge Tubes

Gas Discharge Tubes have a wide range of applications in various industries, including:

Telecommunication equipment: GDTs are commonly used in telecommunication systems, such as telephone lines, to protect against lightning strikes and other power surges.

Power supply systems: GDTs are used in power supply systems to protect sensitive electronic equipment from overvoltage events, such as power spikes or surges.

Industrial control systems: GDTs are used in industrial control systems to protect against electrical disturbances and ensure the safe and reliable operation of equipment.

Gas Discharge Tube Surge Arrester

A Gas Discharge Tube Surge Arrester is a type of Gas Discharge Tube designed specifically for surge protection. It is commonly used in power transmission systems, where it helps to protect against high-voltage transients caused by lightning strikes or switching operations.

Transient Voltage Suppressors, also known as TVS diodes, are semiconductor devices used for overvoltage protection in electronic circuits. They work in conjunction with Gas Discharge Tubes to provide a comprehensive protection solution against transient overvoltages.

Conclusion

Socay's Gas Discharge Tubes are essential components in various electronic and electrical applications that require high voltage protection. Our products are trusted by industries worldwide, thanks to their high-quality, reliability, and certifications from reputable organizations. Choose Socay for your overvoltage protection needs and experience the difference our Gas Discharge Tubes can make.

Brand Name	Socay
Model Number	SC2E5-2000DL
Place of Origin	GUANGDONG, China
Certifications	UL, CUL, VDE, RoHS
Insulation Resistance	2MΩ
Housing Material	PA66
Lead Material	Tinned Copper
Maximum Capacitance	<1.0pF

### Customization:

#### Customization Service for Gas Discharge Tube - Socay

**Brand Name:** Socay

**Model Number:** SC2E5-3600DL

**Place of Origin:** GUANGDONG, China

**Insulation Resistance:** 2MΩ

**Application:** Surge Protection

**Maximum Capacitance:** < 1.0pF

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

**Response Time:** 25ns

At Socay, we understand that different applications have different requirements for Gas Discharge Tubes (GDTs). That's why we offer custom service for our GDTs to meet your specific needs. Our GDTs, also known as Gas Plasma Arrestors, are designed to provide reliable surge protection for various electronic devices.

With our custom service, you can choose from a wide range of options to create a GDT that is tailored to your application. Our GDT Gas Discharge Tube can be customized according to your desired brand, model number, and place of origin. We also offer options for insulation resistance, application, maximum capacitance, and certifications.

Our GDTs have an insulation resistance of 2MΩ, making them suitable for high voltage applications. They are commonly used in surge protection systems to protect electronic devices from voltage spikes. With a response time of 25ns, our GDTs can quickly and effectively suppress surges and protect your valuable equipment.

Our GDTs are certified by UL, CUL, VDE, and RoHS, ensuring their quality and safety. With our custom service, you can rest assured that your GDTs will meet the necessary standards and regulations for your specific application.

Choose Socay for your Gas Discharge Tubes - GDTs / Gas Plasma Arrestors and experience our reliable products and excellent custom service. Contact us now to discuss your customization needs!

#### 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 SC2E5-2000DL.

Q: Where is this product made?

A: This product is made in GUANGDONG, China.

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

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

Q: Is this product suitable for outdoor use?

A: Yes, this product is designed for outdoor use and can withstand harsh weather conditions.



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