



## 25ns Response Time Ferritic Stainless Steel Pipe Tube with Maximum Capacitance 1.0pF SC2E5 2000DL

### Basic Information

- Place of Origin: GUANGDONG,China
- Brand Name: Socay
- Model Number: SC2E5-2000DL
- Minimum Order Quantity: 1000 PCS
- Price: Negotiable



### Product Specification

- Lead Material: Tinned Copper
- Certifications: UL, CUL, VDE, RoHS
- Maximum Capacitance: <1.0pF
- Voltage Rating: 400V
- Weight: 0.8g
- Response Time: 25ns
- Dimensions: 6.5mm X 6.5mm X 5.5mm
- Nominal Impulse Discharge Current: 2.5KA
- Highlight: **25ns Ferritic Stainless Steel Pipe Tube, SC2E5 2000DL Ferritic Stainless Steel Pipe Tube , 1.0pF Steel Pipe Tube**

### Product Description:

Product Overview - Gas Discharge Tube

The Gas Discharge Tube is a type of electrical component used for protecting electronic circuits against overvoltage. It is commonly known as a Fuel Injector Tube or a Gas Spring Cylinder due to its shape and function. The Gas Discharge Tube is designed to quickly and safely dissipate high voltage surges, protecting sensitive electronic equipment from damage.

Voltage Rating

The Gas Discharge Tube has a voltage rating of 400V, making it suitable for use in a wide range of electronic applications. This high voltage rating allows it to handle heavy surges and spikes, ensuring the protection of your electronic devices.

Product Name

The Gas Discharge Tube is also known as a Fuel Injector Tube or a Gas Spring Cylinder. These names are derived from its function and shape, as it resembles a fuel injector or a gas spring cylinder. This unique design allows for easy installation and integration into various electronic systems.

Lead Diameter

The Gas Discharge Tube has a lead diameter of 1.5mm, making it suitable for use in both through-hole and surface-mount applications. This standard lead diameter allows for easy handling and soldering, making it a convenient choice for electronic assembly processes.

Weight

Despite its small size, the Gas Discharge Tube is lightweight, weighing only 0.8g. This makes it a practical choice for applications where weight is a consideration, such as in portable electronic devices.

Maximum Capacitance

The Gas Discharge Tube has a maximum capacitance of less than 1.0pF. This low capacitance allows for minimal interference with the normal operation of electronic circuits, ensuring the smooth functioning of your devices.

In conclusion, the Gas Discharge Tube is a reliable and efficient solution for protecting electronic circuits from overvoltage. Its high voltage rating, unique design, standard lead diameter, lightweight, and low capacitance make it a versatile choice for a wide range of electronic applications. Choose the Gas Discharge Tube for superior protection and performance for your electronic devices.

### Features:

Product Name: Gas Discharge Tube

Voltage Rating: 400V

Application: Surge Protection

Insulation Resistance: 2MΩ

Maximum Capacitance: <1.0pF

Weight: 0.8g

Gas Discharge Tubes - GDTs / Gas Plasma Arrestors

Gas Spring Cylinder

GDT Gas Discharge Tube

### Technical Parameters:

<b>Product Name:</b>	GDT Gas Discharge Tube
<b>Response Time:</b>	25ns
<b>Lead Material:</b>	Tinned Copper
<b>Dimensions:</b>	6.5mm X 6.5mm X 5.5mm
<b>Insulation Resistance:</b>	2MΩ
<b>Lead Diameter:</b>	1.5mm
<b>Operating Temperature:</b>	-40 ~ +90
<b>Application:</b>	Surge Protection
<b>Maximum Capacitance:</b>	<1.0pF
<b>Certifications:</b>	UL, CUL, VDE, RoHS
<b>Weight:</b>	0.8g
<b>Material:</b>	Ferritic Stainless Steel Tube
<b>Shape:</b>	Ferritic Stainless Steel Pipe Tube

### Applications:

Gas Discharge Tube - Socay SC2E5-2000DL

The Gas Discharge Tube (GDT) is an essential component used in various electronic devices to protect against voltage surges and lightning strikes. The Socay SC2E5-2000DL is a high-quality GDT designed to provide reliable protection for electronic circuits.

#### Brand Name

The Socay SC2E5-2000DL is manufactured by Socay, a leading company in the production of electronic components. With years of experience and expertise, Socay is known for its high-quality products and excellent customer service.

#### Model Number

The model number of this GDT is SC2E5-2000DL, which indicates its specifications and features.

#### Place of Origin

The Socay SC2E5-2000DL is designed and manufactured in GUANGDONG, China. It is made with precision and strict quality control to ensure its reliability and durability.

#### Operating Temperature

This GDT can withstand a wide range of temperatures, from -40 to +90. This makes it suitable for use in various environments and conditions.

#### Housing Material

The Socay SC2E5-2000DL is made with PA66, a highly durable and flame-retardant material that provides excellent protection for the internal components of the GDT.

#### Weight

At only 0.8g, the Socay SC2E5-2000DL is lightweight and compact, making it easy to install and integrate into electronic devices.

#### Insulation Resistance

The GDT has an insulation resistance of 2MΩ, ensuring that it can effectively isolate and protect circuits from high voltage surges.

#### Certifications

The Socay SC2E5-2000DL is certified by UL, CUL, VDE, and RoHS, meeting international standards for safety and environmental protection.

#### Application

The Socay SC2E5-2000DL is widely used in various electronic devices, including but not limited to:

[Computers and laptops](#)

[Televisions and home entertainment systems](#)

[Smartphones and tablets](#)

[Power supplies and surge protectors](#)

[Industrial control systems](#)

[Electronic appliances](#)

#### Scenario

Imagine you are enjoying a movie on your brand new television when suddenly there is a loud thunderstorm outside. You start to worry about your expensive electronic devices and the potential damage that lightning strikes can cause. However, with the Socay SC2E5-2000DL installed in your TV, you can relax and enjoy the show without any worries. The GDT will quickly and effectively discharge any high voltage surges, protecting your TV and ensuring its smooth operation.

## Customization:

### Customized Service for Gas Discharge Tube

Brand Name: Socay

Model Number: SC2E5-2000DL

Place of Origin: GUANGDONG, China

Certifications: UL, CUL, VDE, RoHS

Dimensions: 6.5mm X 6.5mm X 5.5mm

Lead Diameter: 1.5mm

Response Time: 25ns

Product Name: Gas Discharge Tube

#### Key Features:

[Ferritic Stainless Steel Tube](#)

[Gas Discharge Tubes - GDTs / Gas Plasma Arrestors](#)

[Carbon Steel Pipe Tube](#)

[Customize according to your specific requirements](#)

## 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 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 for lightning protection and surge suppression.

Q: How does a Gas Discharge Tube work?

A: When the voltage across the tube exceeds its breakdown voltage, it becomes conductive and diverts the excess current to the ground, protecting the connected equipment.



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