



5x4.2mm 230V Ceramic Gas Electric Discharge Tube Overvoltage 5DS230L GDT Surge Protection

Our Product Introduction

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Basic Information

- Place of Origin: Dongguan, Guangdong, China
- Brand Name: LINKUN
- Certification: UL CCC RoHS
- Model Number: 5DS230L
- Minimum Order Quantity: 5000PCS
- Price: Negotiate
- Packaging Details: Tape, 1000pcs per reel
- Delivery Time: 6-10 days
- Payment Terms: L/C, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 100,000 0pieces/month



Product Specification

- AC Discharge Current: 5A(50Hz 1s 10times)
- Insulation Resistance: $\geq 1G\Omega$
- Mounting Type: Surface Mount
- Impulse Discharge Current: 5KA (8/20 μ s 10times)
- Electrode Capacitance $\leq 1PF$
1MHz 0.5V:
- Surge Current: 5*4.2mm
- DC Spark Over Voltage 230 \pm 20%
(100v/s)V:
- Impulse Spark Over Voltage (1kv/ μ s)V: ≤ 700
- High Light: 5x4.2mm 230V Ceramic Gas Discharge Tube Overvoltage 5DS230L GDT Surge



More Images



Product Description

Product performance:

Ceramic gas discharge tube is the most widely used switching device in lightning protection equipment. Whether it is lightning protection for AC or DC power supplies or lightning protection for various signal circuits, it can be used to discharge lightning current into the earth. Its main characteristics are: large discharge current, small inter-electrode capacitance ($\leq 3\text{pF}$), high insulation resistance ($\geq 109\Omega$), large breakdown voltage dispersion ($\pm 20\%$), and slightly slower reaction speed (the shortest is $0.1\sim 0.2\mu\text{s}$). According to the number of electrodes, there are two types: diode discharge tubes and triode discharge tubes (equivalent to two diode discharge tubes connected in series). Its appearance is cylindrical, and it has two structural forms: with and without leads (some also have a protection card for short circuit when overheating).

Glass-sealed discharge tube (product description) Micro surge absorber is an overvoltage protection device that suppresses abnormal high-voltage pulses and protects low-voltage circuits from damage by instantaneous high-voltage (such as lightning, high-voltage noise from the power grid, high-voltage static electricity, etc.). It is a guided protection component developed using the principle of micro-gap discharge and the activation of semiconductor chips. It has the advantages of fast response, impact resistance, stable performance, good repeatability and long life.

A semiconductor discharge tube (also called a solid discharge tube) is a PNPN component, which is regarded as a free voltage-controlled thyristor without a gate electrode. When the voltage exceeds its off-state peak voltage (or avalanche voltage) When the semiconductor discharge occurs, the transient voltage will be clamped to within the switching voltage (or breakover voltage) value of the component. When the voltage continues to increase, the semiconductor discharge tube enters the conduction state due to the negative resistance effect. Only when the current is less than the holding current, the component resets and returns to its high impedance state.

Size Of The Surface Mount Ceramic Gas Discharge Tube 5.0x4.2mm 5DS (mm)

Cautions and warnings

- * Surge arresters must not be operated directly in power supply networks.
- * Surge arresters may become hot in case of longer periods of current stress (danger of burning).
- * Surge arresters may be used only within their specified values. In case of overload, the lead contacts may fail or the component may be destroyed.
- * Damaged surge arresters must not be re-used.

Specification Of The Surface Mount Ceramic Gas Discharge Tube 5.0x4.2mm 5DS

Catalog No.	DC Spark Over Voltage (100v/s)V	Impulse Spark Over Voltage (1kv/ μs)V	Insulation Resistance G Ω	Electrode Capacitance 1MHz 0.5V PF	Impulse Discharge Current (8/20 μs 10times)	AC Discharge Current (50Hz 1s 10times)A
5DS075L	075 $\pm 20\%$	≤ 600	≥ 1	≤ 1	5KA	5A
5DS090L	090 $\pm 20\%$	≤ 600	≥ 1	≤ 1	5KA	5A
5DS150L	150 $\pm 20\%$	≤ 600	≥ 1	≤ 1	5KA	5A
5DS230L	230 $\pm 20\%$	≤ 700	≥ 1	≤ 1	5KA	5A
5DS350L	350 $\pm 20\%$	≤ 1000	≥ 1	≤ 1	5KA	5A
5DS420L	420 $\pm 20\%$	≤ 1000	≥ 1	≤ 1	5KA	5A
5DS470L	470 $\pm 20\%$	≤ 1200	≥ 1	≤ 1	5KA	5A
5DS600L	600 $\pm 20\%$	≤ 1000	≥ 1	≤ 1	5KA	5A
5DS800L	800 $\pm 20\%$	≤ 1200	≥ 1	≤ 1	5KA	5A

Advantages Of The Surface Mount Ceramic Gas Discharge Tube 5.0x4.2mm 5DS

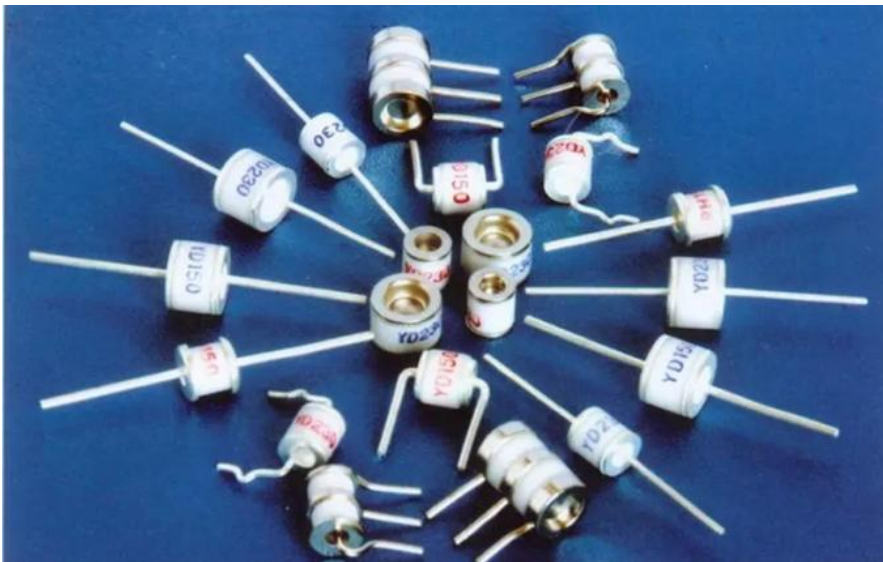
A gas- discharge tube is usually a glass tube with two electrodes sealed through its walls. When a voltage is applied to the two electrodes and the pressure of the gas in the tube is reduced, eventually a pressure is reached at which a current flows, and the gas begins to glow.

- * Very high current-handling capability
- * Low capacitance
- * High insulation resistance

Product Description:

Gas Discharge Tube is a solid discharge tube made of alkaline ceramic material, which is designed to protect electrical and electronic circuits from over-voltage transients. It is typically used as a spark gap arrester for DC spark over voltage, impulse discharge current, and surge current protection. It comes with 3 pins, and is 8x10mm in size. It features 230V (100v/s) DC spark over voltage, 10KA (8/20 μs 10times) impulse discharge current, and 8x10mm surge current protection.

The Gas Discharge Tube is reliable and safe to use, and is constructed with high-quality ceramic material, making it suitable for a wide range of applications in electrical and electronic circuits. It is also a cost-effective solution for providing reliable over-voltage protection. Our Gas Discharge Tube is a reliable and cost-effective solution to protect your electrical and electronic circuits from over-voltage transients. It is made of high-quality ceramic material, and is suitable for a wide range of applications. Get your Gas Discharge Tube today and ensure reliable over-voltage protection for your electrical and electronic circuits!



Features:

Product Name: Gas Discharge Tube
 Maximum Surge Current: 10 KA
 Surge Current: 8x10mm
 Electrode Capacitance 1MHz 0.5V: ≤1.5PF
 Impulse Spark Over Voltage (1kv/Ms): ≤600V
 High Light: SMD 3 Gas Discharge Tube, 3 Pin GDT Gas Discharge Tube, 230V 20% 10kA Gas Tube Arrestor

Solid discharge tube
Three-pole discharge tube
Gas-Discharge Component

Technical Parameters:

Property	Specification
Mounting Type	Surface Mount
Impulse Discharge Current	10KA (8/20μs 10times)
Insulation Resistance	≥1GΩ
Electrode Capacitance 1MHz 0.5V	≤1.5PF
Type	GDT
Impulse Spark Over Voltage (1kv/Ms)	≤600V
Surge Current	8x10mm

Property	Specification
Suppressor Type	3 Electrode Gas Discharge Tube
Maximum Surge Current	10 KA
High Light	SMD 3 Gas Discharge Tube, 3 Pin GDT Gas Discharge Tube, 230V 20% 10kA Gas Tube Arrester
Keywords	Ceramic gas discharge tube, Three-pole discharge tube, Ceramic gas discharge tube

Applications:

LINKUN 8TL230M Gas Discharge Tube is a solid discharge tube designed with ceramic gas discharge tubes, manufactured in Dongguan, Guangdong, China, offering excellent insulation resistance, with 3 pins, maximum surge current of 10 KA and surge current of 8x10mm. It also features a low electrode capacitance of 1.5PF when tested with 1MHz 0.5V.

This LINKUN 8TL230M Gas Discharge Tube is suitable for a wide range of applications, from high-voltage power transmission to lightning protection and anti-surge protection. It is a reliable and cost-effective choice for any project that requires a solid gas discharge tube with excellent insulation resistance and surge current.

The LINKUN 8TL230M Gas Discharge Tube is a great choice for any application requiring a reliable and cost-effective solution. It offers excellent insulation resistance, maximum surge current of 10 KA, and low electrode capacitance of 1.5PF when tested with 1MHz 0.5V. Whether you are looking for a reliable and cost-effective solution for high-voltage power transmission or lightning protection and anti-surge protection, the LINKUN 8TL230M Gas Discharge Tube is the perfect choice.

Customization:

Welcome to LINKUN's custom services for Gaseous-Discharge Component

Our Gaseous-Discharge Tube, Glass sealed discharge tube (Model Number: 8TL230M) is made from the highest quality materials and can provide maximum Surge Current up to 10 KA, with 3pin, Impulse Discharge Current up to 10KA (8/20μs 10times), Electrode Capacitance 1MHz 0.5V ≤1.5PF, and Impulse Spark Over Voltage (1kv/Ms) ≤600V. We guarantee all of our products are from Dongguan, Guangdong, China.

If you are looking for customized Gaseous-Discharge Component services, please contact us. We are committed to providing you with the highest quality products and services.

Support and Services:

We provide technical support and services for Gas Discharge Tube. Our services include online support, phone support, and onsite support. Our online support provides customers with access to product documentation, FAQs, and troubleshooting guides. Our phone support provides customers with assistance from trained technicians. Our onsite support provides customers with an onsite technician to assist with installation, repair, and maintenance. We also offer extended warranties and preventative maintenance contracts.

Packing and Shipping:

Packaging and Shipping

Gas Discharge Tube products are packaged in accordance with the requirements of the customer. The product must be packaged properly to avoid damage during transit. The following guidelines should be followed when packaging and shipping Gas Discharge Tube products:

Ensure that the product is properly cushioned and secured in the box.

Ensure that the package is properly sealed.

Ensure that the address and any other relevant information is clearly visible on the package.

Ship the product to its destination using a reliable courier service.

FAQ:

- ▶ Q1: What is a Gas Discharge Tube?
- ▶ Q2: What is the Brand Name and Model Number of this Gas Discharge Tube?
- ▶ Q3: What is the Place of Origin of this Gas Discharge Tube?
- ▶ Q4: How does LINKUN's 8TL230M GDT protect circuits from voltage transients?
- ▶ Q5: What other features does LINKUN's 8TL230M GDT offer?



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