



GDT 5TS075L Gas Electric Discharge Tube Pulse Discharge Current 5kA 75V

Our Product Introduction

for more products please visit us on lk-thermistor.com

Basic Information

- Place of Origin: Dongguan,Guangdong,China
- Brand Name: LINKUN
- Certification: UL CCC RoHS
- Model Number: 5TS075L
- Minimum Order Quantity: Negotiate
- Price: Negotiate
- Packaging Details: Negotiate
- Payment Terms: T/T, Western Union, L/C
- Supply Ability: 100,000 0pieces/month



Product Specification

- High Light: SMD 3 Gas Discharge Tube, 3 Pin GDT Gas Discharge Tube, 230V 20% 10kA Gas Tube Arrester
- Insulation Resistance: $\geq 1G\Omega$
- Product Name: Ceramic Gas Discharge Tube GDT
- Type: GDT
- Surge Current: 8x10mm
- Impulse Discharge Current: 10KA (8/20 μ s 10times)
- Number Of Pin: 3pin
- Mounting Type: Surface Mount
- Highlight: **Electric Discharge Tube 75V, GDT 5TS075L Gas Discharge Tube, 5kA Electric Discharge Tube**



More Images



Product Description

Product performance:

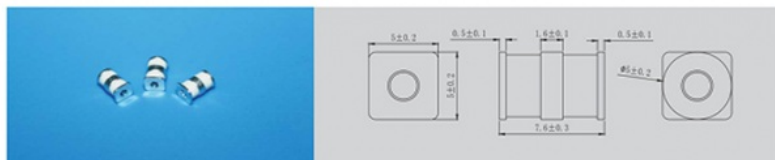
Ceramic gas discharge tube is the most widely used switching device in lightning protection equipment. Whether it is lightning protection for AC or DC power supplies or lightning protection for various signal circuits, it can be used to discharge lightning current into the earth. Its main characteristics 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 PNP 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.

5TS $\Phi 5.0 \times 7.6$ RoHS Compliant

Ceramic Gas Discharge Tube



Catalog	DC breakdown	Impulse	Insulation	Electrode	Impulse	AC Discharge
No. Catalog	voltage DC Spark Over	Spark Over	Resistance	Capacitance	Discharge Current	Current
		Voltage (1kv/us) V	GA	1MHz 0.5V PF	(8/20μs 10times)	
5TS075L	075±20%	≤600	≥1	≤1.5	5KA	5A
5TS090L	090±20%	≤600	≥1	≤1.5	5KA	5A
5TS150L	150±20%	≤600	≥1	≤1.5	5KA	5A
5TS230L	230±20%	≤700	≥1	≤1.5	5KA	5A
5TS350L	350±20%	≤1000	≥1	≤1.5	5KA	5A
5TS420L	420±20%	≤1000	≥1	≤1.5	5KA	5A
5TS470L	470±20%	≤1200	≥1	≤1.5	5KA	5A
5TS600L	600±20%	≤1400	≥1	≤1.5	5KA	5A
5TS800L	800±20%	≤1600	≥1	≤1.5	5KA	5A

Ceramic gas discharge tube

●Reference implementation standards: ITU-T K.12, GB/T9043-2008 "General Technical Conditions for Gas Discharge Tubes for Overvoltage

Protection of Communication Equipment". Reference executive standard: ITU-T K. 12, GB/T9043-2008 (General Technical Requirements

- of Gas Discharge Tubes for the
- The maximum AC (50Hz) current resistance is 5A. During the test, the AC voltage should be greater than the upper limit of the DC breakdown voltage.
 - The test frequency of inter-electrode capacitance is 1MHz, and the test voltage is 0.5V.

Packaging
The product is packed in blister box, 100PCS/box, 4000PCS per carton. Automaton taped 100PCS per reel, 4000PCS per carton.



Product Description:

Gas Discharge Tube is a gaseous-discharge component, also known as a gas-discharge device, used to protect electrical circuits from over-voltage or surges. It operates by using the spark gap between two electrodes to control the flow of current, and is a solid discharge tube that can be quickly triggered by high voltage. Gas Discharge Tube is ideal for providing surge protection and electrostatic discharge protection for home appliances, electrical equipment, and other electronics. It can withstand a maximum surge current of 10 KA and a DC spark overvoltage of 230V (100V/s), as well as an impulse discharge current of 10KA (8/20 μ s 10times) with an electrode capacitance of 1MHz 0.5V \leq 1.5PF. This Gas Discharge Tube is a three-pin device with reliable performance, making it a perfect choice for surge protection.

Features:

Product Name: Gas Discharge Tube
Impulse Discharge Current: 10KA (8/20 μ s 10times)
AC Discharge Current: 10A(50Hz 1s 10times)
Maximum Surge Current: 10 KA
Suppressor Type: 3 Electrode Gas Discharge Tube
Surge Current: 8x10mm

Technical Parameters:

Product Name	Ceramic Gas Discharge Tube GDT
AC Discharge Current	10A(50Hz 1s 10times)
Insulation Resistance	\geq 1G Ω
Mounting Type	Surface Mount
Suppressor Type	3 Electrode Gas Discharge Tube
High Light	SMD 3 Gas Discharge Tube, 3 Pin GDT Gas Discharge Tube, 230V 20% 10kA Gas Tube Arrester
Surge Current	8x10mm
Impulse Spark Over Voltage (1kv/Ms)	\leq 600V
Type	GDT
Number Of Pin	3pin
Diode discharge tube	Yes

Gaseous-Discharge Component	Yes
Gas-Discharge Component	Yes

Applications:

LINKUN 8TL230M - Gaseous-Discharge Component

The LINKUN 8TL230M Gaseous-Discharge Component is a gas-discharge device designed to protect sensitive electronic equipment from power surges. It offers surge-protection and is a surface mountable gaseous-discharge tube featuring a DC spark over voltage of 230V (100v/s), a maximum surge current of 10KA and an AC discharge current of 10A (50Hz 1s 10times) with 3 pins.

This reliable gas-discharge component is designed to be used in a wide range of applications, including computers, home appliances, industrial equipment, and communications systems. It provides superior protection against voltage spikes and lightning strikes, and is ideal for use in harsh environments due to its high surge capability.

The LINKUN 8TL230M Gaseous-Discharge Component is the perfect choice for anyone looking for reliable surge-protection. With its high-quality design, superior surge-current capability, and low power consumption, it is the ideal choice for any application.

Customization:

Customized Service for Gas Discharge Tube

Brand Name: LINKUN

Model Number: 8TL230M

Place of Origin: Dongguan, Guangdong, China

Electrode Capacitance 1MHz 0.5V: $\leq 1.5\text{PF}$

Insulation Resistance: $\geq 1\text{G}\Omega$

Maximum Surge Current: 10 KA

Product Name: Ceramic Gas Discharge Tube GDT

Suppressor Type: 3 Electrode Gas Discharge Tube

Our gas discharge tube is a gaseous-discharge component, a type of semiconductor discharge tube, also known as a gaseous-discharge tube. It is characterized by its high reliability and excellent protection performance. It is suitable for applications such as surge protection and electrical circuit protection.

Support and Services:

Gas Discharge Tube technical support and service includes:

- Pre-purchase technical advice
- Product installation and troubleshooting
- Replacement and repair services
- Product training and user support
- Regular maintenance and inspection

Packing and Shipping:

Packaging and Shipping

Gas Discharge Tube products should be packaged appropriately for shipping. Packaging materials should be designed to protect the product from damage and prevent contamination. Appropriate shipping containers and pallets should be used to ensure that the product arrives in a safe and secure condition.

FAQ:

Q1: What is a Gas Discharge Tube?

A: A Gas Discharge Tube (GDT) is an electrical protection device that acts as a switch when a voltage reaches a certain threshold. LINKUN's 8TL230M GDT is used to protect equipment from damage due to high voltage transients.

Q2: What is the Brand Name and Model Number of this GDT?

A: The Brand Name is LINKUN and the Model Number is 8TL230M.

Q3: Where is this GDT manufactured?

A: LINKUN's 8TL230M GDT is manufactured in Dongguan, Guangdong, China.

Q4: What is the rated voltage and current of this GDT?

A: The rated voltage of LINKUN's 8TL230M GDT is 230V, and its rated current is 0.8A.

Q5: What is the surge current rating of this GDT?

A: The surge current rating of LINKUN's 8TL230M GDT is 10kA.



Dongguan Linkun Electronic Technology Co., Ltd.



13423305709



huanaiu@lk-etc.com



lk-thermistor.com

Room 101, No. 21, Huayuanzai Road, Chongmei, Chashan Town, Dongguan City, Guangdong Province