



5TS800L GDT Ceramic Gas Discharge Tube Double-Layer Lightning Protection 10 KA

Our Product Introduction

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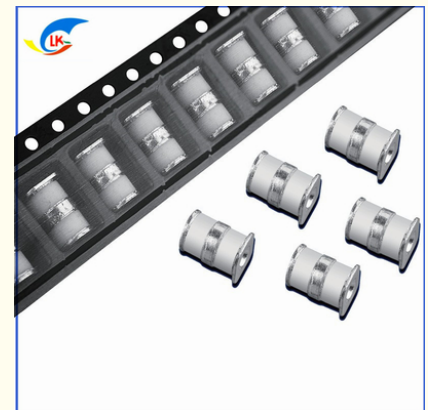
Basic Information

- Place of Origin: Dongguan,Guangdong,China
- Brand Name: LINKUN
- Certification: UL TUV CCC VDE CSA RoHS
- Model Number: 5TS800L
- Minimum Order Quantity: Negotiate
- Price: Negotiate
- Packaging Details: Negotiate
- Delivery Time: 6-10 days
- Payment Terms: L/C, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 100,000 0pieces/month



Product Specification

- Surge Current: 5x7.6mm 8*6mm
- Product Name: Ceramic Gas Discharge Tube GDT
- Insulation Resistance: $\geq 1G\Omega$
- Suppressor Type: 3 Electrode Gas Discharge Tube
- Impulse Spark Over Voltage (1kv/Ms): $\leq 800V$
- Electrode Capacitance 1MHz 0.5V: $\leq 1.5PF$
- Type: GDT
- Maximum Surge Current: 10 KA
- High Light: 5TS800L GDT Ceramic Gas Discharge Tube Double-Layer Lightning Protection 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.

Gas Discharge Tubes - SE3 Series

Features



- Provide ultra-fast response to surge voltage from slow-rising surge of 100V/s to rapid-rising surge of 1KV/ μ s.
- Stable breakdown voltage.
- High insulation resistance.
- Low capacitance (≤ 2 pF)
- High holdover voltage
- Large absorbing transient current capability.
- Micro-Gap Design
- Size: 6.0mm*8.5mm
- Storage and operational temperature: -40 $^{\circ}$ C ~ +85 $^{\circ}$ C
- Meets MSL level 1, per J-STD-020
- Safety certification: UL: E244458

Applications

- Repeaters, Modems.
- Telephone Interface, Line cards.
- Data communication equipment.
- Line test equipment

Part Number Code

SE3 β - 230X F

Series:
SE3系列: ϕ 6*8
SE8系列: ϕ 8*10

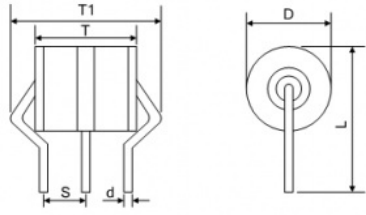
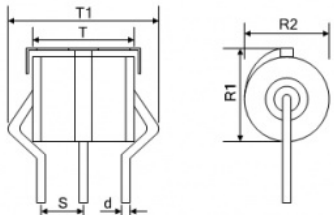
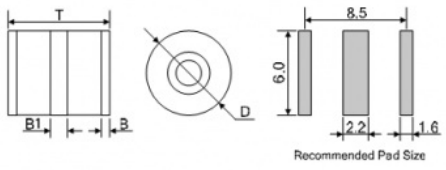
LeadType:
0=SMD
3=Thrust

DCLineVoltage:
90X=90V
230X=230V
102X=1000V

Paclager:
F=With Fail-Short mechanism

Gas Discharge Tubes - SE3 Series

Dimensions

	Symbol	Dimension (mm)	
		Spec.	Tolerance
33 Type 	D	6.0	+0.2, -0.5
	T	8.5	±0.5
	T1	15.0	Max.
	L	16.0	Max.
33-F Type 	S	3.8	±0.3
	d	0.8	±0.1
	R1	7.8	±0.4
	R2	6.3	±0.3
30 Type 	D	6.0	±0.2
	T	8.5	±0.5
	B	1.0	±0.1
	B1	1.5	±0.2
	<small>Recommended Pad Size</small>		

Gas Discharge Tubes - SE3 Series

Electrical Characteristics

Part Number		DC Spark-over Voltage	Maximum Impulse Spark-over Voltage	Nominal Impulse Discharge Current	Alternating Discharge Current	Impulse Life	Minimum Insulation Resistance		Maximum Capacitance
		100V/s	1000V/ μ s	8/20 μ s 10times	50Hz, 1sec	10/1000 μ s 100A	Test Voltage	(G Ω)	1MHz
		(V)	(V)	(KA)	(A)	(times)	DC(V)		(pF)
SE33-75X	SE30-75X	75 \pm 20%	750	5.0	5.0	200	25	1.0	2.0
SE33-90X	SE30-90X	90 \pm 20%	750	5.0	5.0	200	50	1.0	2.0
SE33-100X	SE30-100X	100 \pm 20%	750	5.0	5.0	200	50	1.0	2.0
SE33-110X	SE30-110X	110 \pm 20%	750	5.0	5.0	200	50	1.0	2.0
SE33-150X	SE30-150X	150 \pm 20%	800	5.0	5.0	200	100	1.0	2.0
SE33-230X	SE30-230X	230 \pm 20%	800	5.0	5.0	200	100	1.0	2.0
SE33-250X	SE30-250X	250 \pm 20%	800	5.0	5.0	200	100	1.0	2.0
SE33-300X	SE30-75X	300 \pm 20%	800	5.0	5.0	200	100	1.0	2.0
SE33-350X	SE30-350X	350 \pm 20%	850	5.0	5.0	200	100	1.0	2.0
SE33-470X	SE30-470X	470 \pm 20%	950	5.0	5.0	200	250	1.0	2.0
SE33-600X	SE30-600X	600 \pm 20%	1300	5.0	5.0	200	250	1.0	2.0
SE33-800X	SE30-800X	800 \pm 20%	1500	5.0	5.0	200	250	1.0	2.0

Product Description:

Gas Discharge Tube

Gas Discharge Tubes (GDTs) are a type of semiconductor discharge component specifically designed to provide high-voltage protection from electrical surges. They can effectively absorb and dissipate energy generated by lightning, switching operations, and other electrical disturbances. GDTs are typically used in power supply systems, motor protection, and surge protection applications.

Our GDTs are designed to meet international standards, featuring a range of features such as SMD 3 Gas Discharge Tube, 3 Pin GDT Gas Discharge Tube, 230V 20% 10kA Gas Tube Arrester, 230V(100v/s) DC Spark Over Voltage, Ceramic Gas Discharge Tube GDT, and 10KA (8/20 μ s 10times) Impulse Discharge Current. The GDTs also feature a 3pin number of pin.

Our GDTs are reliable, safe, and provide superior protection from electrical surges. The GDTs are the ideal choice for all your high-voltage protection needs. With their superior performance and high-voltage protection capabilities, GDTs can be used in a variety of industrial, commercial, and residential applications.

Features:

Product Name: Gas Discharge Tube

Product Name: Ceramic Gas Discharge Tube GDT

Suppressor Type: 3 Electrode Gas Discharge Tube

Number Of Pin: 3pin

Mounting Type: Surface Mount

High Light: SMD 3 Gas Discharge Tube, 3 Pin GDT Gas Discharge Tube, 230V 20% 10kA Gas Tube Arrester

Glass sealed discharge tube

Gaseous-Discharge Tube

Gaseous-Discharge Component

Technical Parameters:

Parameter	Value
Maximum Surge Current	10 KA
Size	8x10mm
Impulse Spark Over Voltage (1kv/Ms)	≤ 600V
DC Spark Over Voltage	230V (100v/s)
High Light	SMD 3 Gas Discharge Tube, 3 Pin GDT Gas Discharge Tube, 230V 20% 10kA Gas Tube Arrester
Number Of Pin	3pin
Mounting Type	Surface Mount
AC Discharge Current	10A (50Hz 1s 10times)
Insulation Resistance	≥1GΩ
Electrode Capacitance 1MHz 0.5V	≤1.5PF
Keywords	Diode discharge tube, Gas-Discharge Device, Gas-Discharge Component, Arc Suppression Device

Applications:

LINKUN 8TL230M Gaseous-Discharge Tube is a diode discharge component which is manufactured in Dongguan, Guangdong, China. It has excellent electrical properties, such as Impulse Spark Over Voltage (1kv/Ms), which is ≤600V, Insulation Resistance, which is ≥1GΩ, Impulse Discharge Current, which is 10KA (8/20μs 10times), and Electrode Capacitance 1MHz 0.5V, which is ≤1.5PF. It also has remarkable DC Spark Over Voltage, which is 230V(100v/s). It is an ideal choice for many applications, such as switchgear, power supplies, and surge protection.

Customization:

Customized Service of Gas Discharge Tube

Brand Name: **LINKUN**

Model Number: **8TL230M**

Place of Origin: **Dongguan, Guangdong, China**

Insulation Resistance: **≥1GΩ**

Impulse Discharge Current: **10KA (8/20μs 10times)**

DC Spark Over Voltage: **230V (100v/s)**

Number Of Pin: **3pin**

AC Discharge Current: **10A (50Hz 1s 10times)**

We are specialized in providing the **diode discharge tube** and **semiconductor discharge tube** with **LINKUN** brand, especially the **8TL230M semiconductor discharge tube**. Our Gas Discharge Tube provides you with superior insulation resistance, impulse discharge current, spark over voltage, number of pin and AC discharge current.

Support and Services:

We provide technical support and services for Gas Discharge Tube products, including:

Free consultation on product features and usage

Remote troubleshooting and maintenance

24/7 technical support hotline

Replacement parts and accessories

Software and firmware upgrades

Packing and Shipping:

Packaging and Shipping for Gas Discharge Tube

Gas discharge tubes should be packaged and shipped in a way that protects them from physical damage, dust, moisture, and other environmental hazards. It is important to ensure that the tubes are securely packaged and labeled in order to prevent any possible damage during transit.

When packaging and shipping gas discharge tubes, it is important to use the appropriate materials to ensure that the tubes are protected. It is recommended that the tubes be wrapped in bubble wrap or foam to provide cushioning and protection from impacts. It is also important to make sure that the tubes are securely sealed in a container that is made of a material that will not degrade or react with the tube's contents.

It is also important to ensure that the gas discharge tubes are properly labeled with the relevant information such as the manufacturer, model number, and any other pertinent details. This will ensure that the tubes can be easily identified in the event of any lost or stolen packages. Furthermore, it is important to include a packing slip with all packages to ensure that the tubes are properly tracked and accounted for.

FAQ:

Q1: What is a Gas Discharge Tube?

A: A Gas Discharge Tube is a type of electrical protection device that uses a gas-filled tube to limit the amount of voltage applied to a circuit.

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

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

Q3: Where is this product made?

A: This product is made in Dongguan, Guangdong, China.

Q4: What is the purpose of a Gas Discharge Tube?

A: The purpose of a Gas Discharge Tube is to protect electrical circuits from damage due to overvoltage.

Q5: What are the advantages of using a Gas Discharge Tube?

A: The advantages of using a Gas Discharge Tube include fast response time, high reliability, low cost, and low power consumption.



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