



SurgeArresters

陶瓷气体放电管

SD8 Series

Gas Discharge Tube - SD8 Series



Gas discharge tubes (GDT) use noble gasses enclosed in ceramic tubes to provide an alternate circuit path for voltage spikes. The ceramic envelope and with nickel connectors allow for high loads and Surging offers products that function at 20KA, 40KA, 50KA, 60KA, 100KA & 150KA. The breakdown voltages of the devices have a wide range (up to 20% tolerance). Major applications are high frequency telecommunication lines, stations, security systems, HID and high quality Surge Protection Devices (SPD).

Features

- RoHS & HF compliant
- Size: 10.0mm*8.0mm
- DC Spark-over voltage: 75~800V
- Stable breakdown voltage.
- High insulation resistance.
- High holdover voltage.
- Large absorbing transient current capability.
- Low Capacitance
- Micro-Gap Design

Recommended Applications

- Cable Modem
- xDSL
- Set-Top Box
- Satellite and CATV equipment
- Power supplier
- Consumer electronics
- General telecom equipment

Product Name

SD8 - 230X

Series:

SD8: $\phi 8 \times 10$
SE3: $\phi 6 \times 8$

DC Line Voltage:

90X=90V
230X=230V
102X=1000V

Gas Discharge Tube - SD8 Series

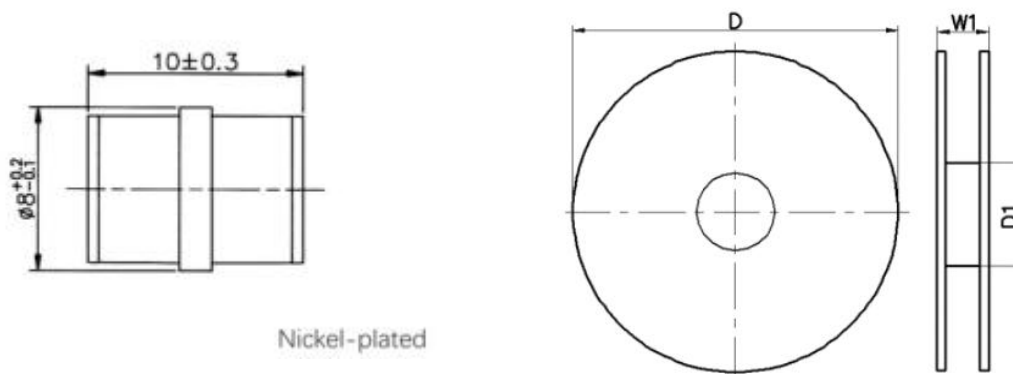
Electrical Characteristics

Part number	DC spark-over Voltage	Impulse spark-over Voltage	Impulse Discharge current		AC discharge current 50Hz	Electrode Capacitance	Insulation resistance	DC Holdover voltage
	100V/S	1KV/ μ s	8/20 μ s $\pm$ 5 times	10/1000 μ s 5A	1S, 5 times	1MHz		
SD8-75X	75V $\pm$ 20%	<600V	20KA	300times	20A	<1.5pr	>1G Ω	52V
SD8-90X	90V $\pm$ 20%	<600V	20KA	300times	20A	<1.5pr	>1G Ω	52V
SD8-150X	150V $\pm$ 20%	<600V	20KA	300times	20A	<1.5pr	>1G Ω	80V
SD8-230X	230V $\pm$ 20%	<700V	20KA	300times	20A	<1.5pr	>1G Ω	135 V
SD8-250X	250V $\pm$ 20%	<700V	20KA	300times	20A	<1.5pr	>1G Ω	135 V
SD8-350X	350V $\pm$ 20%	<800V	20KA	300times	20A	<1.5pr	>1G Ω	150V
SD8-470X	470V $\pm$ 20%	<1000V	20KA	300 times	20A	<1.5pr	>1G Ω	150 V
SD8-600X	600V $\pm$ 20%	<1200V	20KA	300times	20A	<1.5pr	>1G Ω	150 V
SD8-800X	800V $\pm$ 20%	<1400V	20KA2	300times	20A	<1.5pr	>1G Ω	150 V

Notes:

- Insulation resistance measure at:
DC 50V for the SD8-75X,SD8-90X and SD8-150X DC 100V for other.
- Terms in accordance with ITU-T K.12 and GB/T 9043-2008
- At delivery AQL 0.65 level II DIN ISO 2859

Dimension



D(mm)	D1(mm)	W1(mm)	QTY: 500PCS
330	10	16	