

SURGiNG

紹 鑫 實 業

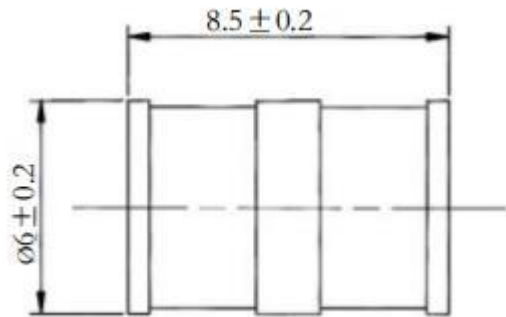


SurgeArresters

陶瓷气体放电管

SD3 Series

Gas Discharge Tubes - SD3 Series



Applications

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

Features

- Provide ultra-fast response to surge voltage from slow-rising surge of 100V/s to rapid-rising surge of 1KV/μs.
- Stable breakdown voltage.
- High insulation resistance.
- Low capacitance (≤2pF)
- High holdover voltage
- Large absorbing transient current capability.
- Micro-Gap Design
- Size: 6.0mm*8mm
- Storage and operational temperature: -40℃ ~ +85℃
- Meets MSL level 1, per J-STD-020

Part Number Code

SD3 - 230X

Series:
SD3系列 : $\phi 6 \times 8.5$
SE8系列 : $\phi 8 \times 10$

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

Gas Discharge Tubes - SD3 Series

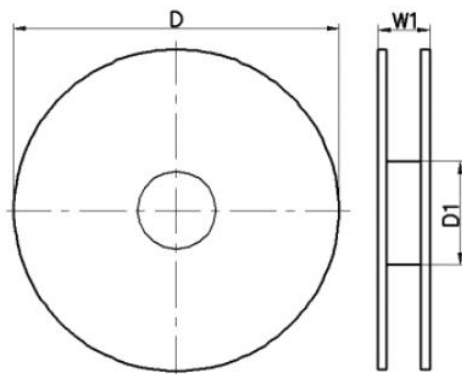
Electrical Characteristics

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	1 KV/ μ s	8/20 μ s $\pm$ 5 times	10/1000 μ s 100A	1S,5 times	1MHz		
SD3-75X	75V $\pm$ 20%	<600V	10KA	300times	10A	<1.5pF	>1G Ω	52V
SD3-90X	90V $\pm$ 20%	<600V	10KA	300times	10A	<1.5pF	>1G Ω	52V
SD3-150X	150V $\pm$ 20%	<600V	10KA	300times	10A	<1.5pF	>1G Ω	80V
SD3-230X	230V $\pm$ 20%	<700V	10KA	300times	10A	<1.5pF	>1G Ω	135 V
SD3-250X	250V $\pm$ 20%	<700V	10KA	300times	10A	<1.5pF	>1G Ω	135 V
SD3-350X	350V $\pm$ 20%	<800V	10KA	300times	10A	<1.5pF	>1G Ω	150 V
SD3-470X	470V $\pm$ 20%	<1000V	10KA	300times	10A	<1.5pF	>1G Ω	150 V

Notes:

- Insulation resistance measure at:
DC 50V for the **SD3-75X**, **SD3-90X** and **SD3-150X**
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

Packaging



D(mm)	D1(mm)	W1(mm)	QTY: 500 PCS
330	10	24	