



600V Gas Tube Surge Arrester SC3E8-600HMF Radial Leaded Devices

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: UL, REACH, RoHS, ISO
- Model Number: SC3E8-600HMF
- Minimum Order Quantity: 1000PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



Product Specification

- Item: GDT
- Footprint: $\phi 8 \times 10 \text{mm}$
- Type: THT
- DC Spark-over Voltage @100V/ μs : $600\text{V} \pm 20\%$
- Max. Spark-over Impulse Voltage @100V/ μs : 500V
- Max. Spark-over Impulse Voltage @1KV/ μs : 600V
- Min. Insulation Resistance: $1\text{G}\Omega$ (@25V)
- Max. Capacitance: 1.5pF
- Arc Voltage @1A: 15V
- Nom. Impulse Discharge Current: 10KA
- Max. Impulse Discharge Current: 20KA
- Highlight: 600V Gas Tube Surge Arrester



More Images



Product Description

600V Gas Surge Arrester SC3E8-600HMF, Radial Leaded Devices with Fail-Safe

DATASHEET: [SC3E8_v2308.1.pdf](#)

Part Number	Marking	DC Spark-over Voltage	Maximum Impulse Spark-over Voltage		Minimum Insulation Resistance	Maximum Capacitance	Arc Voltage	Service Life			
								Nominal Impulse Discharge Current	Max Impulse Discharge Current	Nominal Alternating Discharge Current	Impulse Life
		@100V/S	@100V/ μ s	@1KV/ μ s		@1MHz	@1A	@8/20 μ s ⁴⁾ ±5 times	@8/20 μ s ⁴⁾ 1 time	@50Hz ⁴⁾ 1 Sec 10 times	@10/1000 μ s ⁴⁾ 300 times
SC3E8-75HM SC3E8-75HMF SC3E8-75HP SC3E8-75H	SOCAY 75H	75V±20%	500V	600V	1 G Ω (at 50V)	1.5pF	~25V	20KA	25KA	20A	200A
SC3E8-90HM SC3E8-90HMF SC3E8-90HP SC3E8-90H	SOCAY 90H	90V±20%	500V	600V	1 G Ω (at 50V)	1.5pF	~25V	20KA	25KA	20A	200A
SC3E8-150HM SC3E8-150HMF SC3E8-150HP SC3E8-150H	SOCAY 150H	150V±20%	500V	600V	1 G Ω (at 50V)	1.5pF	~25V	20KA	25KA	20A	200A
SC3E8-230HM SC3E8-230HMF SC3E8-230HP SC3E8-230H	SOCAY 230H	230V±20%	600V	700V	1 G Ω (at 100V)	1.5pF	~25V	20KA	25KA	20A	200A
SC3E8-250HM SC3E8-250HMF SC3E8-250HP SC3E8-250H	SOCAY 250H	250V±20%	600V	700V	1 G Ω (at 100V)	1.5pF	~25V	20KA	25KA	20A	200A
SC3E8-300HM SC3E8-300HMF SC3E8-300HP SC3E8-300H	SOCAY 300H	300V±20%	800V	900V	1 G Ω (at 100V)	1.5pF	~25V	20KA	25KA	20A	200A
SC3E8-350HM SC3E8-350HMF SC3E8-350HP SC3E8-350H	SOCAY 350H	350V±20%	800V	900V	1 G Ω (at 100V)	1.5pF	~25V	20KA	25KA	20A	200A
SC3E8-420HM SC3E8-420HMF SC3E8-420HP SC3E8-420H	SOCAY 420H	420V±20%	900V	1000V	1 G Ω (at 100V)	1.5pF	~25V	20KA	25KA	20A	200A
SC3E8-470HM SC3E8-470HMF SC3E8-470HP SC3E8-470H	SOCAY 470H	470V±20%	900V	1000V	1 G Ω (at 100V)	1.5pF	~25V	20KA	25KA	20A	200A
SC3E8-600HM SC3E8-600HMF SC3E8-600HP SC3E8-600H	SOCAY 600H	600V±20%	1100V	1200V	1 G Ω (at 100V)	1.5pF	~25V	20KA	25KA	20A	200A
SC3E8-800HM SC3E8-800HMF SC3E8-800HP SC3E8-800H	SOCAY 800H	800V±20%	1200V	1400V	1 G Ω (at 100V)	1.5pF	~25V	20KA	25KA	20A	200A

Notes:

- 1). Terms in accordance with ITU-T K.12 and GB/T 9043-2008
- 2). At delivery AQL 0.65 level , DIN ISO 2859
- 3). Tip or ring electrode to center electrode
- 4). Total current through center electrode, half value through tip respectively ring electrode

Selection Method:

- 1, To know the customer's product, operating voltage, application port, protection level.
- 2, Minimum DC breakdown voltage > 1.2 times the normal DC operating voltage.
- 3, Select the package, size and flow rate of the device according to the application port and protection level.

**Applications:**

Industrial power supply, communication power supply, inverter power supply, UPS uninterrupt power supply, regulated power supply, driving power supply, switching power supply, power module, isolator, inverter, medical equipment, 485 converter, communication products (optical terminal machine, MODEM, communication base station), stabilizer, security products, lightning arrester.

Features:

Non-Radioactive.
RoHS compliant.
Low insertion loss.
Excellent response to fast rising transients.
Ultra low capacitance.
20KA surge capability tested with 8/20 μ s pulse as defined by IEC 61000-4-5.

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