



## SMD Ceramic Gas Discharge Tube SC2E8-350MSMD Surface Mount Gas Tube Arrestor

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: SC2E8-350MSMD
- Minimum Order Quantity: 500PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



### Product Specification

- Product Name: Gas Discharge Tube
- Size:  $\phi 8 \times 6 \text{mm}$
- DC Spark-over Voltage @100V/ $\mu\text{s}$ :  $350 \text{V} \pm 20\%$
- Max. Spark-over Impulse Voltage @100V/ $\mu\text{s}$ : 800V
- Max. Spark-over Impulse Voltage @1KV/ $\mu\text{s}$ : 900V
- Min. Insulation Resistance:  $1 \text{G}\Omega$  (@100V)
- Nom. Impulse Discharge Current: 10KA
- Max. Impulse Discharge Current: 20KA
- Storage Temperature:  $-40^\circ\text{C} \sim +90^\circ\text{C}$
- Arc Voltage: 20V
- Highlight: SMD Gas Discharge Tube, Surface Mount Gas Discharge Tube,



### More Images



## Product Description

### SMD Ceramic Gas Discharge Tube SC2E8-350MSMD, Surface Mount GDT Arrester

**DATASHEET:** [SC2E8\\_v91.1.pdf](#)

#### Description

Gas discharge Tubes (GDT) are classical components for protecting the installations of the telecommunications. It is essential that IT and telecommunications systems -with their high-grade but sensitive electronic circuits - be protected by arresters. They are thus fitted at the input of the power supply system together with varistors and at the connection points to telecommunication lines. They have become equally indispensable for protecting base stations in mobile telephone systems as well as extensive cable television (CATV) networks with their repeaters and distribution systems.

These protective components are also indispensable in other sectors, In AC power transmission systems, they are often used with current-limiting varistors, In customer premises equipment such as DSL modems, WLAN routers, TV sets and cable modems In air-conditioning equipment, the integral black-box concept offers graduated protection by combining arresters with varistors, PTC, diodes and inductor.



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 Impulse Discharge Current	Impulse Life
		@100V/S	@100V/ μs	@1KV/ μs		@1MHz	@1A	@8/20μs ±5 times	@8/20μs 1 time	@50Hz 1 Sec 10 times	@10/1000 μs 300 times

SC2E8-75M SC2E8-75ML SC2E8-75MSMD	SOCAY 75M	75V±20%	500V	600V	1 GΩ (at 25V)	1.5pF	~15V	10KA	20KA	10A	100A
SC2E8-90M SC2E8-90ML SC2E8-90MSMD	SOCAY 90M	90V±20%	500V	600V	1 GΩ (at 50V)	1.5pF	~15V	10KA	20KA	10A	100A
SC2E8-150M SC2E8-150ML SC2E8-150MSMD	SOCAY 150M	150V±20%	500V	600V	1 GΩ (at 50V)	1.5pF	~20V	10KA	20KA	10A	100A
SC2E8-230M SC2E8-230ML SC2E8-230MSMD	SOCAY 230M	230V±20%	600V	700V	1 GΩ (at 100V)	1.5pF	~20V	10KA	20KA	10A	100A
SC2E8-250M SC2E8-250ML SC2E8-250MSMD	SOCAY 250M	250V±20%	700V	800V	1 GΩ (at 100V)	1.5pF	~20V	10KA	20KA	10A	100A
SC2E8-300M SC2E8-300ML SC2E8-300MSMD	SOCAY 300M	300V±20%	800V	900V	1 GΩ (at 100V)	1.5pF	~20V	10KA	20KA	10A	100A
SC2E8-350M SC2E8-350ML SC2E8-350MSMD	SOCAY 350M	350V±20%	800V	900V	1 GΩ (at 100V)	1.5pF	~20V	10KA	20KA	10A	100A

### Schematic Symbol



<b>Materials</b>	<b>Leaded Device:</b> Nickel-plated with Tinplated wires <b>Surface Mount:</b> Dull Tin-plated	
<b>Product Marking</b>	<b>SOCAY XXXM/H</b> XXX -Nominal voltage M - 10KA H - 20KA	
<b>Glow to Arc Transition Current</b>	< 0.5 Amps	
<b>Glow Voltage</b>	~60 Volts	
<b>Storage and Operational Temperature</b>	-40 to +90°C	
<b>Weight</b>	SC2E8-XXXML	~1.5g
	SC2E8-XXXHL	~1.6g
	SC2E8-XXXM/H	~1.35g
	SC2E8-XXXM/HSMD	~1.5g
<b>Climatic category (IEC 60068-1)</b>	40/ 90/ 21	

### Surface Mount Devices (SC2E8-XXXM/HSMD)



