



## SC3E8-600H Gas Discharge Tube GDT Classical Components For Protecting Circuit

Our Product Introduction

### Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: UL, REACH, RoHS, ISO
- Model Number: SC3E8-600H
- Minimum Order Quantity: 1000PCS
- Price: Negotiable
- Delivery Time: 2-3weeks
- Supply Ability: 1000000



### Product Specification

- Other Name: Gdt Arrester
- Length:  $\phi 8 \times 10\text{mm}$
- Material: Ceric ceramic
- DC Spark-over Voltage @100V/ $\mu\text{s}$ :  $600\text{V} \pm 20\%$
- Foot: 3 Pin Electrode
- Max. Spark-over Impulse Voltage @100V/ $\mu\text{s}$ : 500V
- Max. Spark-over Impulse Voltage @1KV/ $\mu\text{s}$ : 600V
- Arc Voltage @1A: 15V
- Nom. Impulse Discharge Current: 10KA
- Max. Impulse Discharge Current: 20KA
- Highlight: SC3E8-600H Gas Discharge Tube, Circuit Gas Discharge Tube,



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## Product Description

### Gas Discharge Tube SC3E8-600H, Classical Components for Protecting the Circuit

**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                                |
|                                                          |               |                       |                                    |       |                               |                     |             | @8/20 $\mu$ s <sup>4)</sup><br>±5 times | @8/20 $\mu$ s <sup>4)</sup><br>1 time | @50Hz <sup>4)</sup><br>1 Sec<br>10 times | @10/1000 $\mu$ s <sup>4)</sup><br>300 times |
| SC3E8-75HM<br>SC3E8-75HMF<br>SC3E8-75HP<br>SC3E8-75H     | SOCAY<br>75H  | 75V±20%               | 500V                               | 600V  | 1 G $\Omega$ (at 50V)         | 1.5pF               | ~25V        | 20KA                                    | 25KA                                  | 20A                                      | 200A                                        |
| SC3E8-90HM<br>SC3E8-90HMF<br>SC3E8-90HP<br>SC3E8-90H     | SOCAY<br>90H  | 90V±20%               | 500V                               | 600V  | 1 G $\Omega$ (at 50V)         | 1.5pF               | ~25V        | 20KA                                    | 25KA                                  | 20A                                      | 200A                                        |
| SC3E8-150HM<br>SC3E8-150HMF<br>SC3E8-150HP<br>SC3E8-150H | SOCAY<br>150H | 150V±20%              | 500V                               | 600V  | 1 G $\Omega$ (at 50V)         | 1.5pF               | ~25V        | 20KA                                    | 25KA                                  | 20A                                      | 200A                                        |
| SC3E8-230HM<br>SC3E8-230HMF<br>SC3E8-230HP<br>SC3E8-230H | SOCAY<br>230H | 230V±20%              | 600V                               | 700V  | 1 G $\Omega$ (at 100V)        | 1.5pF               | ~25V        | 20KA                                    | 25KA                                  | 20A                                      | 200A                                        |
| SC3E8-250HM<br>SC3E8-250HMF<br>SC3E8-250HP<br>SC3E8-250H | SOCAY<br>250H | 250V±20%              | 600V                               | 700V  | 1 G $\Omega$ (at 100V)        | 1.5pF               | ~25V        | 20KA                                    | 25KA                                  | 20A                                      | 200A                                        |
| SC3E8-300HM<br>SC3E8-300HMF<br>SC3E8-300HP<br>SC3E8-300H | SOCAY<br>300H | 300V±20%              | 800V                               | 900V  | 1 G $\Omega$ (at 100V)        | 1.5pF               | ~25V        | 20KA                                    | 25KA                                  | 20A                                      | 200A                                        |
| SC3E8-350HM<br>SC3E8-350HMF<br>SC3E8-350HP<br>SC3E8-350H | SOCAY<br>350H | 350V±20%              | 800V                               | 900V  | 1 G $\Omega$ (at 100V)        | 1.5pF               | ~25V        | 20KA                                    | 25KA                                  | 20A                                      | 200A                                        |
| SC3E8-420HM<br>SC3E8-420HMF<br>SC3E8-420HP<br>SC3E8-420H | SOCAY<br>420H | 420V±20%              | 900V                               | 1000V | 1 G $\Omega$ (at 100V)        | 1.5pF               | ~25V        | 20KA                                    | 25KA                                  | 20A                                      | 200A                                        |
| SC3E8-470HM<br>SC3E8-470HMF<br>SC3E8-470HP<br>SC3E8-470H | SOCAY<br>470H | 470V±20%              | 900V                               | 1000V | 1 G $\Omega$ (at 100V)        | 1.5pF               | ~25V        | 20KA                                    | 25KA                                  | 20A                                      | 200A                                        |
| SC3E8-600HM<br>SC3E8-600HMF<br>SC3E8-600HP<br>SC3E8-600H | SOCAY<br>600H | 600V±20%              | 1100V                              | 1200V | 1 G $\Omega$ (at 100V)        | 1.5pF               | ~25V        | 20KA                                    | 25KA                                  | 20A                                      | 200A                                        |
| SC3E8-800HM<br>SC3E8-800HMF<br>SC3E8-800HP<br>SC3E8-800H | SOCAY<br>800H | 800V±20%              | 1200V                              | 1400V | 1 G $\Omega$ (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

### GDT Classification

Surface Mount(package size):1206,1210,1812  
 DIP:2-Electrode,3-Electrode  
 DC Voltage:75V~800V  
 High DC Voltage :1000V~6000V  
 Current:0.5KA~20KA  
 Response Time≤100NS,SWITH components.

### 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

## FAQ

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Q: May we get some samples?

A: Of course,samples are available.

Q: What is product lead time?

A: For GDT,TVS and ESD,lead time will take 2-3 weeks.For TSS,MOV,MLV,NTC,and PPTC,lead time will take 3-4weeks.Accurate lead time will be further confirmed when we know your specific requirement.

Q: Do you support customization?

A: Yes,we do.



**Shenzhen Socay Electronics Co., Ltd.**



+8618126201429



sylvia@socay.com



socaydiode.com

4/F, Block C, HeHengXing Science & Technology Park, 19 MinQing Road, LongHua District, Shenzhen City,  
GuangDong Province, China