



SCBE-141N Axial Lead Glass Discharge Tube SPG 140 VS Spark Gap Arrestor

Our Product Introduction

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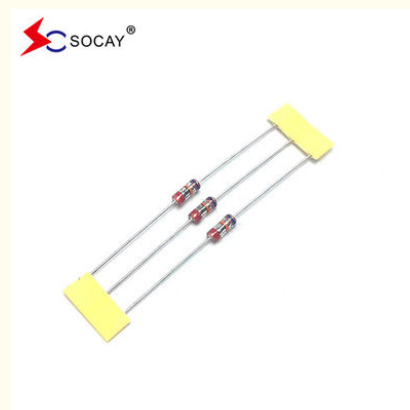
Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: SCBE-141N
- Minimum Order Quantity: 2000PCS
- Price: Negotiable
- Packaging Details: AMMO packing bulk
- Delivery Time: 5-8 work days



Product Specification

- Product Name: Spark Gap Protectors (SPG)
- Package Type: Axial Lead
- VS: 140(98~182)V
- IR/DC: 100M/50V
- C: 1.0pF
- 8/20μS: 1000A
- Surge Life Test: 10KV / 150A , >200T
- Highlight: **Glass Discharge Tube 140 VS, Axial Lead Glass Discharge Tube, Axial Lead Spark Gap Arrestor**



More Images

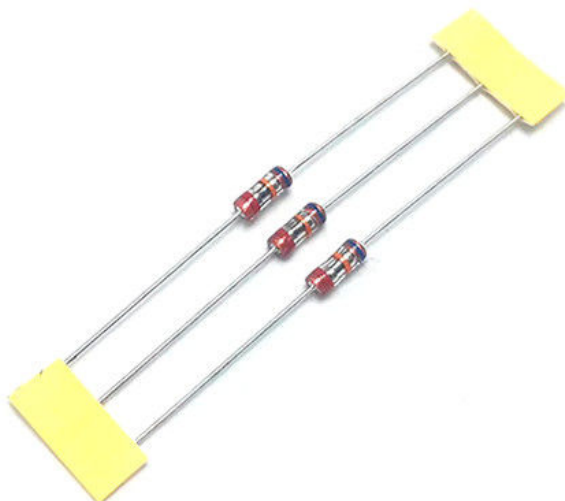


Product Description

SOCAY SCBE Series Glass Discharge Tube SCBE-141N SPG 140VS Low Electrode Capacitance ($\leq 1.0\text{pF}$)

DATASHEET: [SCBE_v2204.1.pdf](#)

Part Number	DC Spark-over Voltage Vs(V)	Minimum Insulation Resistance IR(OHM)/DC	Maximum Capacitance 1KHZ-6Vmax C (pF)	Surge Current Capacity 8/20 μs	Surge Life Test
SCBE-141N	140(98~182)	100M / 50V	1.0	1000A	10KV / 150A , >200T
SCBE-201M	200(160~240)	100M / 100V	1.0	1000A	10KV / 150A , >200T
SCBE-251M	250(200~300)	100M / 100V	1.0	1000A	10KV / 150A , >200T
SCBE-301M	300(240~360)	100M / 100V	1.0	1000A	10KV / 150A , >200T
SCBE-401M	400(320~480)	100M / 250V	1.0	1000A	10KV / 150A , >200T
SCBE-501M	500(400~600)	100M / 250V	1.0	1000A	10KV / 150A , >200T
SCBE-601M	600(480~720)	100M / 250V	1.0	1000A	10KV / 150A , >200T
SCBE-102M	1000(800~1200)	100M / 500V	1.0	1000A	10KV / 150A , >200T
SCBE-122M	1200(960~1440)	100M / 500V	1.0	1000A	10KV / 150A , >200T



Features:

- u Approximately zero leaking current before clamping voltage
- u Less decay at on/off state.
- u High capability to withstand repeated lightning strikes.
- u Low electrode capacitance ($\leq 1.0\text{pF}$) and high isolation ($\geq 100\text{M}\Omega$).
- u RoHS compliant.
- u Bilateral symmetrical.
- u Temperature, humidity and lightness insensitive.
- u Working temperature: $-45 \sim +125$
- u Storage temperature: $-45 \sim +125$
- u Meets MSL level 1, per J-STD-020

Applications:

- u Power Supplies
- u Motor sparks eliminating
- u Relay switching spark absorbing
- u Data line pulse guarding
- u Electronic devices requiring UL497A and UL497B compliant
- u Telephone/Fax/Modem
- u High frequency signal transmitters/receivers
- u Satellite antenna
- u Radio amplifiers
- u Alarm systems
- u Cathode ray tubes in Monitors/TVs

Part Number	Color Code1	Color Code2	Color Code3
SCBE-141N	Brown	Red	White
SCBE-201M	Red	Orange	Blue
SCBE-251M	Red	Orange	Green
SCBE-301M	Orange	Red	White
SCBE-401M	Yellow	Black	Brown
SCBE-501M	Green	Yellow	Orange
SCBE-601M	Blue	Red	Yellow
SCBE-102M	Black	Orange	Red
SCBE-122M	Black	Red	Orange

Hand Soldering

Solder iron temperature: 350±5

Heating time: 3 seconds max.

General attention to soldering

High soldering temperatures and long soldering times can cause leaching of the termination, decrease in adherence strength, and the change of characteristic may occur.

For soldering, please refer to the soldering curves above. However, please keep exposures to temperatures exceeding 200 to fewer than 50 seconds.

Please use a mild flux (containing less than 0.2wt% Cl). Also, if the flux is water soluble, be sure to wash thoroughly to remove any residue from the underside of components that could affect resistance.

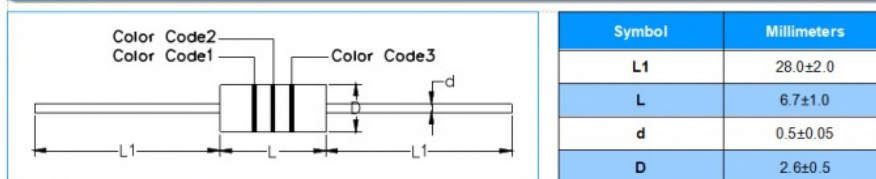
Cleaning

When using ultrasonic cleaning, the board may resonate if the output power is too high. Since this vibration can cause cracking or a decrease in the adherence of the termination, we recommend that you use the conditions below:

Frequency: 40kHz max.

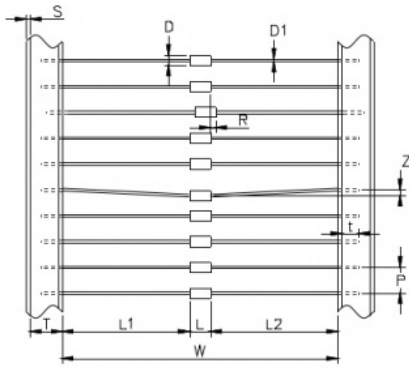
Output power: 20W/liter

Cleaning time: 5 minutes max.

Dimensions

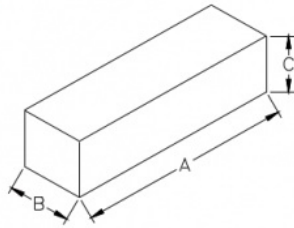
Packaging

Tape



Symbol	Dimension (mm)
W	52±2.0/-1.0
P	5.0±0.5
T	6.0±1.0
Z	1.2 Max
L1-L2	1.0 Max
S	0.8 Max
t	3.2 Max
L	6.7±1.0
D1	Φ0.5±0.05
D	Φ2.6±0.5
R	1.0 Max

Inner Box



Item	Description
Length	A=255 mm
Width	B=75 mm
Height	C=68 mm
Quantity	2000 PCS
Package	There are upper and bottom board to protect the parts from damage.

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