SCB-141N Glass Discharge Tube Axial Lead 1.0pF 1000A Suitable For Power Supplies

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: REACH,RoHS,ISO
- Model Number: SCB-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(119~221)V
- IR/DC: 100M/50V
- C: 1.0pF
- 8/20μS: 1000A
- Surge Life Test: 10KV / 150A , >200T
- Highlight: **Glass Discharge Tube Axial Lead**, **Glass Discharge Tube 1.0pF**

More Images

Our Product Introduction

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Product Description

Axial Lead Glass Discharge Tube SCB-141N Vs 140(119~221)V 1.0pF @8/20μS 1000A Suitable for Power Supplies

DATASHEET: SCB_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
SCB-141N	140(126~210)	100M / 50V	1.0	1000A	10KV / 150A , >200T
SCB-181N	180(126~234)	100M / 50V	1.0	1000A	10KV / 150A , >200T
SCB-201M	200(160~240)	100M /100V	1.0	1000A	10KV / 150A , >200T
SCB-301M	300(240~360)	100M /100V	1.0	1000A	10KV / 150A , >200T
SCB-401M	400(320~480)	100M / 250V	1.0	1000A	10KV / 150A , >200T
SCB-501M	500(400~600)	100M / 250V	1.0	1000A	10KV / 150A , >200T
SCB-601M	600(480~720)	100M / 250V	1.0	1000A	10KV / 150A , >200T
SCB-701M	700(560~840)	100M / 250V	1.0	1000A	10KV / 150A , >200T
SCB-102M	1000(800~1200)	100M / 500V	1.0	1000A	10KV / 150A , >200T
SCB-122M	1200(960~1440)	100M / 500V	1.0	1000A	10KV / 150A , >200T
SCB-152M	1500(1200~1800)	100M / 500V	1.0	1000A	10KV / 150A , >200T

SOCAY®

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 (≤1.0pF) and high isolation (≥100MΩ).
- u RoHS compliant.
- u Bilateral symmetrical.
- u Temperature, humidity and lightness insensitive.
- u Working temperature: -45 ~ +125
- u Storage temperature: -45 ~ +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
SCB-141N	Black	Yellow	-
SCB-181N	Gray	-	-
SCB-201M	Red	-	-
SCB-301M	Orange	-	-
SCB-401M	Yellow	-	-
SCB-501M	Green	-	-
SCB-601M	Blue	-	-
SCB-701M	Purple	-	-
SCB-102M	Black	-	-
SCB-122M	Black	Red	Red
SCB-152M	Black	Green	Red

Items	Test Method	Standard
DC Spark-over Voltage	Measure starting discharge voltage (Vs) by gradually increasing applied DC voltage. Test current is 0.5mA max. And the DC voltage ascends up within 100V/s(Vs 1000V) or 500V/s(Vs≥1000V).	Rate-of-change, within±30% insulation resistance & capacitance, conformed to rated spec.
Insulation Resistance	Measure the insulation resistance across the terminal at regular voltage. But the test voltage doesn't over the DC spark-over voltage.	
Capacitance	Measure the electrostatic capacitance by applying a voltage of less than 6V (at 1KHz) between terminals.	
Static Life	10KV with 1500pf condenser is discharged through 2KΩ resistor. 200 times at an interval of 10sec.	| △Vs/Vs | ≤30% Characteristics of other items must meet the specified value
Surge Current Capacity	1.2/50μs & 8/20μs, 1000A, electrically connected with a resistor (1~2 Ω), ±5 times, each time interval 60 seconds. Thereafter, outer appearance shall be visually examined.	No crack and no failures
Cold Resistance	Measurement after -40 /1000 HRS & normal temperature/2 HRS.	Features are conformed to rated spec
Heat Resistance	Measurement after 125 /1000 HRS & normal temperature/2 HRS.	
Humidity Resistance	Measurement after humidity 90~95 (45) /1000 HRS & normal temperature/2 HRS.	
Temperature Cycle	10 times repetition of cycle -40 /30min →normal, temp/2 min →125 /30min, measurement after normal temp/2 HRS.	
Solder Ability	Apply flux and immerse in molten solder 230±5 for 3sec up to the point of 1.5mm from body. Check for solder adhesion.	Lead wire is evenly covered by solder

Solder Heat	Measurement after lead wire is dipped up to the point of 1.5mm from body into 260±5 solder for 10sec	Conformed to rated spec
Pull Strength	Apply 0.5kg load for 10sec	Lead shall not pull out to snap
Flexural Strength	Bend lead wire at the point of 2mm from body under 0.25 load and back to its original point. Repeat 1 time.	

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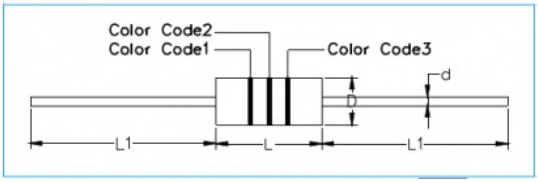
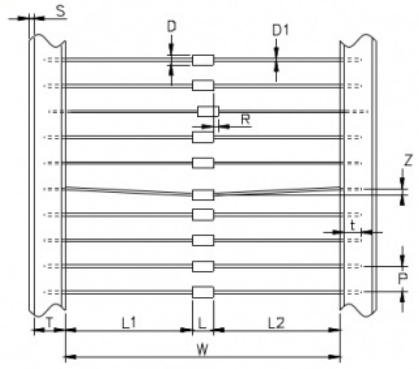
Dimensions



Symbol	Millimeters
L1	28.0±3.0
L	4.3±0.3
d	0.5±0.05
D	2.6±0.3

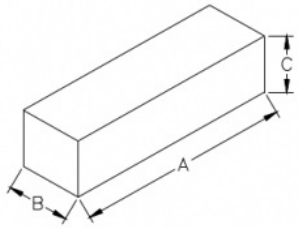
Packaging

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	4.3±1.0
D1	Φ0.5±0.05
D	Φ2.6±0.3
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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