Axial Lead Glass Discharge Tube SCA-141N 1.0pF 8/20µS 500A Spark Gap Protectors

Basic Information

• Place of Origin: Shenzhen, Guangdong, China

• Brand Name: SOCAY

Certification: REACH,RoHS,ISO

Model Number: SCA-141N
 Minimum Order Quantity: 3000PCS
 Price: Negotiable

Packaging Details:
 AMMO packing bulk

• Delivery Time: 1-2weeks



Product Specification

Key Word: Spark Gap Arrester

Shape: Axial Lead
 VS: 140(98~182)V
 IR/DC: 100M/50V
 C: 1.0pF
 8/20µS: 500A

Surge Life Test: 10KV / 100A , >200T
 Highlight: Glass Discharge Tube 500A, 1.0pF Glass Discharge Tube



More Images



Product Description

Axial Lead Spark Gap Protectors (SPG) SCA-141N Vs 140(98~182)V 1.0pF @8/20µS 500A

DATASHEET: SCA_v2204.1.pdf

Description

SPG like Gas discharge tube, its use of glass packaging, its main features are: small volume, small electrode capacitance, high insulation resistance, breakdown voltage optional range, slow reaction speed (high residual voltage).

Part Number	DC Spark-over Voltage Vs(V)	Minimum Insulation Resistance IR(OHM)/DC	Maximum Capacitanc e 1KHZ- 6Vmax C (pF)	Surge Current Capacity 8/20 µS	Surge Life Test
SCA-141N	140(98~182)	100M / 50V	1.0	500A	10KV / 100A , >200T
SCA-201M	200(160~240)	100M /100V	1.0	500A	10KV / 100A , >200T
SCA-301M	300(240~360)	100M /100V	1.0	500A	10KV / 100A , >200T
SCA-401M	400(320~480)	100M / 250V	1.0	500A	10KV / 100A , >200T
SCA-501M	500(400~600)	100M / 250V	1.0	500A	10KV / 100A , >200T
SCA-601M	600(480~720)	100M / 250V	1.0	500A	10KV / 100A , >200T
SCA-102M	1000(800~120 0)	100M / 500V	1.0	500A	10KV / 100A , >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 (≤1.0pF) and high isolation (≥100MΩ).
- u RoHS compliant.
- u Bilateral symmetrical.
- u Temperature, humidity and lightness insensitive.
- u Working temperature: -45 ~ +85 u Storage temperature: -45 ~ +85
- u Meets MSL level 1, per J-STD-020

Working Principle

In parallel on the circuit, when the device does not operate, the resistance value is high $(G\Omega)$, low equivalent capacitance can be regarded as open circuit, almost no impact on the circuit. When there is an abnormal pulse, the internal resistance drops instantaneously after reaching the operating voltage value, and the current is released instantaneously. When the abnormal high voltage disappears, it returns to the high resistance state, and the circuit works normally.

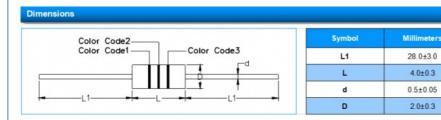
Applications:

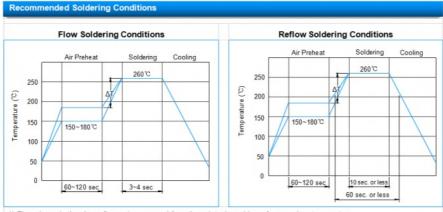
All kinds of power products, isolators, inverters, medical equipment, 485 converter, communication products, security products.

Color Code1	Color Code2	Color Code3
Yellow	Black	-
Red	-	-
Orange	-	-
Yellow	-	-
Green	-	-
Blue	-	-
Black	-	-
	Yellow Red Orange Yellow Green Blue	Yellow Black Red - Orange - Yellow - Green - Blue -

Hand Soldering

Solder iron temperature: 350±5 Heating time: 3 seconds max.





- 1) Time shown in the above figures is measured from the point when chip surface reaches temperature
- 3) After soldering, do not force cool, allow the parts to cool gradually.

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Symbol	Dimension (mm)		
w	52+2.0/-1.0		
Р	5.0±0.5		
Т	6.0±1.0		
z	1.2 Max		
L1-L2	1.0 Max		
s	0.8 Max		
t	3.2 Max		
L	4.0±1.0		
D1	Ф0.5±0.05		
D	Φ2.0±0.3		
R	1.0 Max		

28.0±3.0

4.0±0.3 0.5±0.05

2.0±0.3

Q1. Can I have a sample order?

A: Yes, we welcome sample order to test and check quality. Mixed samples are acceptable.

Q2. What about the lead time?

A:Sample needs 1 days, mass production time needs 1-2 weeks for order quantity more than

Q3. Do you have any MOQ?

A: MOQ depend on the type of product, 1pc for sample checking is available

Q4. How do you ship the goods and how long does it take to arrive?

A: We usually ship by DHL, UPS, FedEx or TNT. It usually takes 3-5 days to arrive. Airline and sea shipping also optional.

Q5. How to proceed an order?

A: Firstly let us know your requirements or application.

Secondly We quote according to your requirements or our suggestions.

Thirdly customer confirms the samples and places deposit for formal order.

Fourthly We arrange the production.



+8618126201429

sylvia@socay.com



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