

### **FEATURES**

| Size Design Φ8.0\*6.0mm

High Current Handling Capability 10,000A @ 8/20 μs

Low Capacitance and Insertion Loss

| Quick Response and Long Service Life

| Moisture sensitivity level: Level 1





#### Schematic Symbol

## **APPLICATION INFORMATION**

Communication equipment.

Repeaters, Modems

| Telephone Interface,Line cards.

Data communication equipment.

# **AGENCY APPROVALS**

lcon	Solderability	
RoHS	Compliance with 2011/65/EU	
HF	Compliance with IEC61249-2-21:2003	
<b>P</b> 6	Mean lead free	

# **PRODUCT CHARACTERISTICS**

Lead Material	Body Material	Terminal Finish	
Copper or Fe-Ni alloy	Ceramics	100% Matte-Tin Plated	



# **ELECTRICAL PARAMETER**

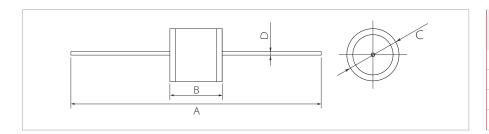
Parameter	Symbol	Limit	Unit
DC Blocking Voltage 1)	100V/s	640-960	
Impulse Spark-over Voltage	At 1kV/μs	for 99 % of measured values ≤ 1600	V
impuise spark-over voitage	At 1kV/μs	Typical values of distribution ≤ 1500	V
Impulse Discharge Current 2)	8/20µs ±5times	10	KA
Insulation Resistance	DC=100V	≥ 1	GΩ
Capacitance at 1MHz	V <sub>DC</sub> =0.5V ≤ 1.5		рF
Operating and Storage Temperature		-40~125	°C

<sup>1)</sup> In ionized mode

### **ENVIRONMENTAL RELIABILITY CHARACTERISTICS**

Testing items	Technical standards	
High Temperature Storage Test	Temperature: 125°C ;Time:2H	
Low Temperature Storage Test	Temperature: ~40°C ; Time:2H	
Vibration	Frequency: 10-500Hz; Amplitude: 0.15mm; Time:45min	
Resistance of soldering heat	Temperature: 260±5°C; Time of dip soldering: 10s,1time	

# **PRODUCT DIMENSIONS**

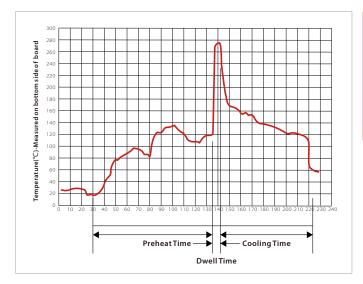


Ref	Outline Dimensions	
Nei	Millimeters	
Α	62±2	
В	6±0.2	
С	Ф8.0±0.2	
D	Ф0.8	

<sup>2)</sup> Terms and waveforms in accordance with ITU-T Rec. K. 12; IEC 61643-21

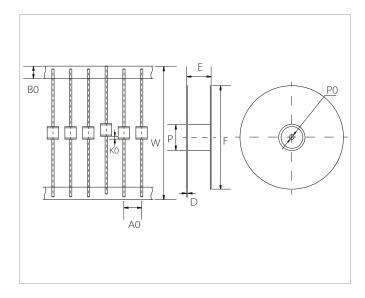


### **WAVE SOLDERING**



Wave Parameter		Lead-free assembly
	Temperature Min	100°C
Pre Heat	Temperature Max	150°C
	Time(min to max)	60 – 180 secs
Solder pot Temperature		280°C Max
Solder Dwell Time		2-5 seconds

# **TAPE AND REEL SPECIFICATION**



Ref.	Dimensions		
Rei.	Millimeters	Inches	
W	65±2	2.559±0.079	
A0	10±0.5 0.394±0.020		
ВО	6±1 0.236±0.012		
KO	1.2 Max.	0.47 Max.	
D	2.5±0.5	0.098±0.020	
F	340±2 13.39±0.079		
E	73±2	2.874±0.079	
Р	82±2 3.228±0.079		
PO	Ф16±1	16±1 Φ0.63±0.039	

# **ORDERING INFORMATION**

Part Number	Size	Marking	Qty/pcs	
			Reel	Carton
SG2R08B800	Ф8.0*6.0mm	<b>ℯ</b> SG800 <u>08</u>	1000	4000



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#### By QR Code





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