

FEATURES

- | Size Design $\Phi 8.0 \times 6.0 \text{mm}$

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

- | Low Capacitance and Insertion Loss

- | Quick Response and Long Service Life

- | Moisture sensitivity level: Level 1



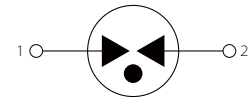
APPLICATION INFORMATION

- | Communication equipment.

- | Repeaters, Modems


- | Telephone Interface, Line cards.

- | Data communication equipment.



Schematic Symbol

AGENCY APPROVALS

Icon	Solderability
RoHS	Compliance with 2011/65/EU
HF	Compliance with IEC61249-2-21:2003
	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	72-108	V
Impulse Spark-over Voltage	At 1kV/ μ s	for 99 % of measured values \leq 600	V
	At 1kV/ μ s	Typical values of distribution \leq 500	V
Impulse Discharge Current 2)	8/20 μ s \pm 5times	20	KA
Insulation Resistance	DC=100V	\geq 1	G Ω
Capacitance at 1MHz	V _{DC} =0.5V	\leq 1.5	pF
Operating and Storage Temperature		-40~125	$^{\circ}$ C

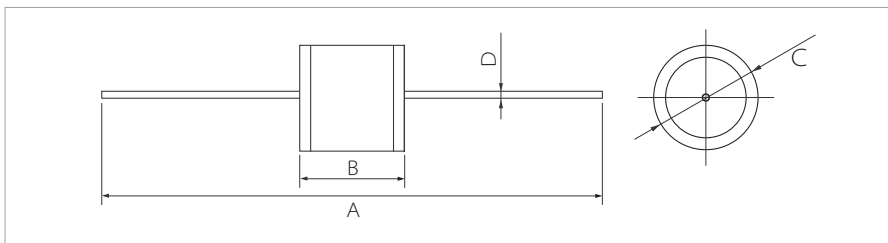
1) In ionized mode

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

ENVIRONMENTAL RELIABILITY CHARACTERISTICS

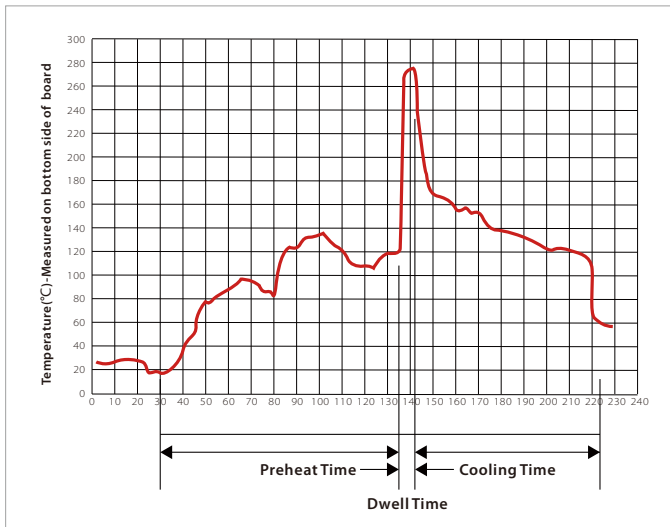
Testing items	Technical standards
High Temperature Storage Test	Temperature: 125 $^{\circ}$ C ; Time:2H
Low Temperature Storage Test	Temperature: -40 $^{\circ}$ C ; Time:2H
Vibration	Frequency: 10-500Hz ; Amplitude: 0.15mm ; Time:45min
Resistance of soldering heat	Temperature: 260 \pm 5 $^{\circ}$ C; Time of dip soldering: 10s,1time

PRODUCT DIMENSIONS




Ref.	Outline Dimensions
	Millimeters
A	62 \pm 2
B	6 \pm 0.2
C	Φ 8.0 \pm 0.2
D	Φ 0.8

WAVE SOLDERING



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

ORDERING INFORMATION

Part Number	Size	Marking	Qty/pcs		
			Tray	Inner Box	Carton
SG2R08B090H	Ø8.0*6.0mm	 SG 090H 08	100	500	6000

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By QR Code

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