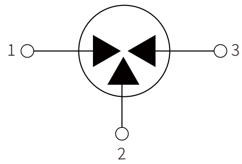
FEATURES

Φ6.0*8.5mm



Schematic Symbol

- Size Design Φ6.0*8.5mm
- 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

APPLICATION INFORMATION

- Communication equipment.
- Repeaters,Modems
- Telephone Interface,Line cards.
- Data communication equipment.

AGENCY APPROVALS

Icon	Solderability
RoHS	Compliance with 2011/65/EU
HF	Compliance with IEC61249-2-21:2003
Pb	Mean lead free
UL	UL Certificated E505857

PRODUCT CHARACTERISTICS

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

ELECTRICAL PARAMETER

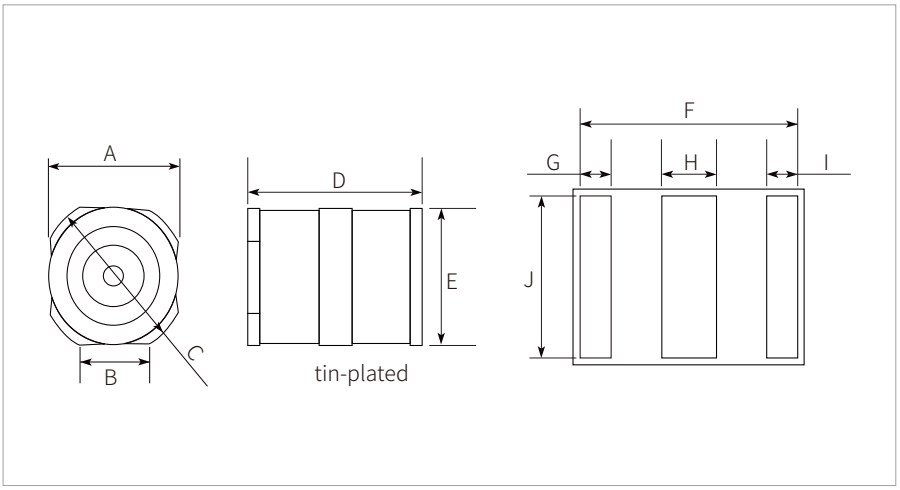
Parameter	Symbol	Rating	Unit
DC Blocking Voltage 1)2)	100V/s	480-720	V
Impulse Spark-over Voltage	At 1kV/μs	for 99 % of measured values ⩽700	V
	At 1kV/μs	Typical values of distribution ⩽650	V
Impulse Discharge Current 3)	8/20μs	20	KA
Insulation Resistance	DC=100V	⩾ 1	GΩ
Capacitance at 1MHz	V_{DC}=0.5V	⩽ 1.5	pF
Weight		~1.25	g
Operating and Storage Temperature		-40~125	℃

1) At delivery AQL 0.65 level II SO2859
2) In ionized mode
3) Terms and waveforms in accordance with ITU-T Rec. K. 12; IIEC 61643-311

ENVIRONMENTAL RELIABILITY CHARACTERISTICS

Testing items	Technical standards
High Temperature Storage Test	Temperature: 85℃ ; Time:2H
Low Temperature Storage Test	Temperature: -40℃ ; Time:2H
Vibration	Frequency: 10-500Hz ; Amplitude：0.15mm ; Time:45min
Resistance of soldering heat	Temperature: 260℃; Time of dip soldering：10s,1time

PRODUCT DIMENSIONS



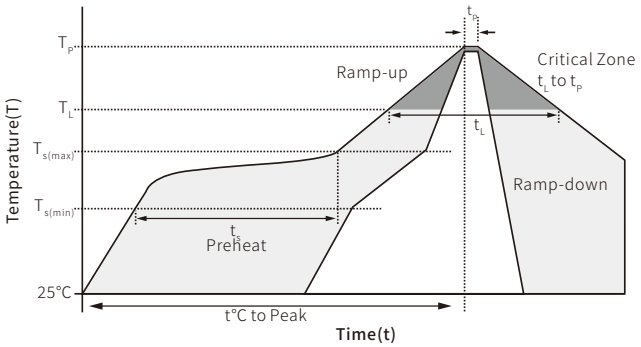
Ref	Outline Dimensions
	Millimeters
A	6.0±0.2
B	3.2
C	Φ6.8
D	8.5±0.2
E	Φ6.0±0.1
F	8.8
G	1.2
H	2.2
I	1.2
J	6

SOLDERABILITY TEST

Solderability	
Solder Pot Temperature	Solder Dwell Time
245°C ± 5°C	4~6 seconds

REFLOW PROFILE

Reflow Condition		Lead-free assembly
Pre Heat	Temperature Min	150°C
	Temperature Max	200°C
	Time(min to max)	60~180 secs
Average ramp up rate (Liquidus)Temp (T_L) to peak		3°C/second max
T_S(max)to T_L - Ramp-up Rate		
Reflow	Temperature (T_L) (Liquidus)	217°C
	Time(min to max)(t_S)	60~150 seconds
Peak Temperature (T_P)		260 °C
Time within 5°C of actual peak Temperature (tp)		20~40 seconds
Ramp-down Rate		6°C/second max
Time 25°C to peak Temperature (T_P)		8 minutes max.
Do not exceed		260°C



ORDERING INFORMATION

Part Number	Size	QTY/Reel	Reel Size
G3R06B230C	Φ6.0*8.5mm	600PCS	13 "

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