

FEATURES

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

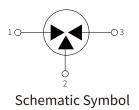
Low Capacitance and Insertion Loss

| Quick Response and Long Service Life

Moisture sensitivity level:Level 1

| High Reliability and Automobile Grade(AEC-Q200)





APPLICATION INFORMATION

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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	
<i>1</i> R 。	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)	100V/s	72-108	V
Impulse Spark-over Voltage	At 1kV/μs	for 99 % of measured values ≤900	V
impulse spark-over voltage	At 1kV/μs	Typical values of distribution ≤850	V
Impulse Discharge Current 2)	8/20µs	10	KA
Insulation Resistance	DC=50V	≥1	GΩ
Capacitance at 1MHz	V _{DC} =0.5V	≤ 2	pF
Operating and Storage Temperature		-40~125	°C

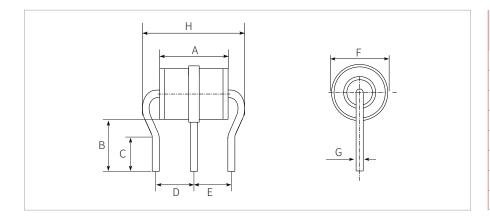
¹⁾ In ionized mode

ENVIRONMENTAL RELIABILITY CHARACTERISTICS

Testing items	Technical standards	
High Temperature Storage Test	Temperature: 85°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°C; Time of dip soldering: 10s,1time	

NOTE: Up-screen program can be specified by customer's request via contacting Semiware service

PRODUCT DIMENSIONS

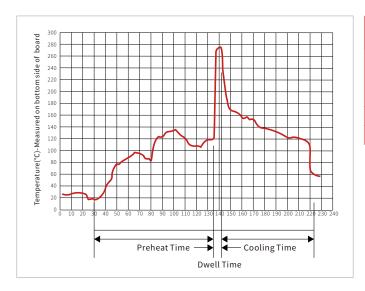


Ref.	Outline Dimensions	
Kei.	Millimeters	
А	8.0±0.3	
В	5.0±1.0	
С	3.3±0.3	
D	4.4±0.3	
E	4.4±0.3	
F	Ф6.0±0.2	
G	Ф0.8	
Н	11±1	

²⁾ Terms and waveforms in accordance with ITU-T Rec. K. 12; IIEC 61643-311



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 Dv	vell Time	2-5 seconds

ORDERING INFORMATION

Part Number Size	¢:	Moulcing		Qty/pcs	
	31ZE	Marking	Tray	Inner Box	Carton
TPSG3R06B090	Ф6.0*8.0mm	SG3R06B090	100	500	6000



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By QR Code





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