

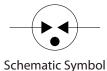
FEATURES

1	Surface	Mounting	Design	54*5	4*4 0mm
	Junace	mounting	Design	5.1 5.	1 1.0111111

- High Current Handling Capability 5000A @ 8/20 µs
- Low Capacitance and Insertion Loss
- Quick Response and Long Service Life
- Moisture sensitivity level: Level 1



5.4*5.4*4.0mm



APPLICATION INFORMATION

Communication equipment.

- Repeaters,Modems
- Telephone Interface,Line cards.

Data communication equipment.

AGENCY APPROVALS

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

PRODUCT CHARACTERISTICS

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



ELECTRICAL PARAMETER

Parameter	Condition	Rating	Unit
DC Spark-over Voltage 1)	100V/s	336-504	
Impulse Spark-over Voltage	At 1kV/µs	for 99 % of measured values ≤700	V
impuise spark-over voltage	At 1kV/µs	Typical values of distribution ≤650	
Discharge Current (8/20us) 2)	10 times	5	KA
AC Discharge Current	50Hz, 1S	5	А
Minimum Insulation Resistance	Test Voltage DC=100V	1	GΩ
Max. Capacitance 1MHz	VDC=0.5V	1	pF
Operating and Storage Temperature		-40~125	°C

1) In ionized mode

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

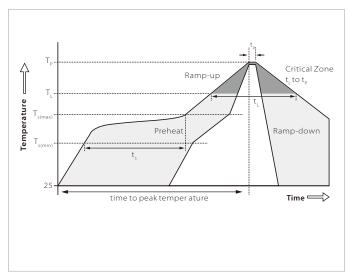
ENVIRONMENTAL RELIABILITY CHARACTERISTICS

Testing items	Technical standards
High Temperature Storage Test	Temperature: 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±5°C; Time of dip soldering: 10s, 1time

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

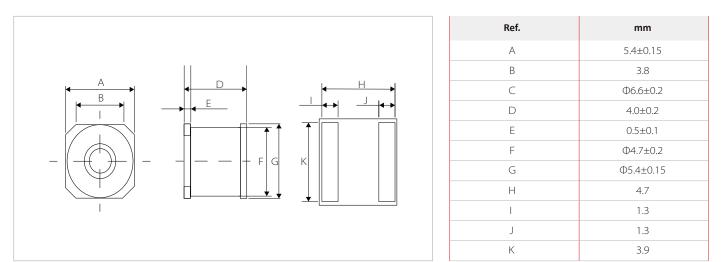
REFLOW PROFILE

	Reflow Condition	Pb-Free assembly
	Temperature Min	150°C
Pre Heat	Temperature Max	200°C
	Time(min to max)	60-180 secs
Average ra	amp up rate (Liquidus)Temp (T _L) to peak T _s (max)to T _L - Ramp-up Rate	3°C/second max
Deflering	Temperature (T_{L}) (Liquidus)	217°C
Reflow	Temperature (T _L)	60-150 seconds
PeakTem	perature (T _p)	245~260 °C
Time with	in 5°C of actual peak Temperature (tp)	30 seconds
Ramp-dc	own Rate	6°C/second max
Time 25°	C to peak Temperature (T _p)	8 minutes max.
Do not exceed		260°C

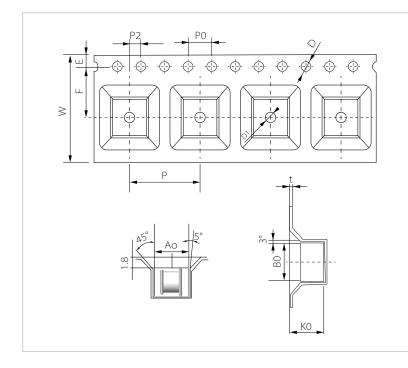




PRODUCT DIMENSIONS AND RECOMMENDED SOLDERING PAD



PACKAGE REEL INFORMATION



Ref.	mm
W	16.0±0.3
Ρ	12.0±0.1
E	1.75±0.1
F	7.5±0.1
P2	2.0±0.1
D	1.5±0.1
D1	1.5±0.1
PO	4.0±0.1
10P0	40.0±0.2
A0	5.7±0.1
ВО	5.7±0.1
КО	5.7±0.1
t	0.4±0.05

ORDERING INFORMATION

Part Number	Size	Marking	QTY/Reel	Reel Size
SG2R05B420B	5.4*5.4*4.0mm	🕢 SG420 05	800	13″



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By QR Code





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SG2R05B420B

Surface Mounted Gas Discharge Tube