

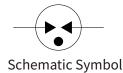
FEATURES

Surface Mounting Design 6.2*6.2*4.2mm

- High Current Handling Capability 3000A @ $8/20 \ \mu s$
- Low Capacitance and Insertion Loss
- Quick Response and Long Service Life
- Moisture sensitivity level:Level 1



6.2*6.2*4.2mm



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			
Ø	Mean lead free			

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 Blocking Voltage 1)	100V/s	960-1440	V
Impulse Spark-over Voltage	At 1kV/μs	for 99 % of measured values \leq 1900	V
impuise spark-over voltage	At 1kV/µs	Typical values of distribution ≤ 1800	V
Impulse Discharge Current 2)	8/20µs	3000	А
AC Discharge Current	50Hz, 1S, 10times	10	А
Insulation Resistance	DC=100V	≥ 1	GΩ
Capacitance at 1MHz	V _{DC} =0.5V	≤ 1.5	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 61643-311

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

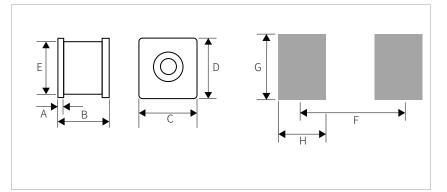




SOLDERING PARAMETERS

	Reflow Condition	Lead-free assembly
	Temperature Max (T _{s(min)})	150°C
Pre Heat	Temperature Max (T _{s(max)})	200°C
	Time (min to max) (t _s)	60 – 180 secs
Average ran	np up rate (Liquidus Temp (T _L) to peak	3°C/second max
	T _{s(max)} to T _L - Ramp-up Rate	3°C/second max
Deflesse	Temperature (T _L) (Liquidus)	217°C
Reflow Time (min to max) (t _L)		60 – 150 seconds
Peak Temp	erature (T _P)	260°C
Time withir	n 5°C of actual peak Temperature (t _p)	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

DIMENSIONS AND RECOMMENDED SOLDERING PAD

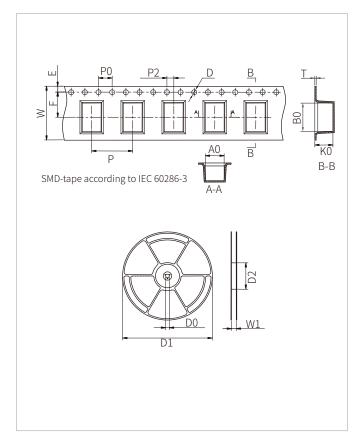


Ref.	mm	
А	0.6±0.1	
В	4.2±0.3	
С	6.2±0.2	
D	6.2±0.2	
E	Φ6±0.1	
F	3.5	
G	6.8	
Н	1.2	



TAPE AND REEL SPECIFICATION

SEMIWARE®



Ref.	Dimensions		
Rei.	Millimeters	Inches	
W	16±0.3	0.630±0.012	
AO	4.6±0.1 0.181±0.004		
В0	6.5±0.1 0.256±0.004		
K0	6.7±0.1 0.264±0.004		
Р	12±0.1 0.472±0.004		
F	7.5±0.1 0.295±0.004		
E	1.75±0.1	0.069±0.004	
D	1.5+0.1/-0.0	0.059+0.004/-0.0	
P0	4±0.1	0.157±0.004	
P2	2±0.1	0.079±0.004	
Т	0.5±0.1	0.020±0.004	
D0	13.3±0.15	0.524±0.006	
D1	330±2 12.992±0.079		
D2	100+1/-2	3.937+0.039/-0.079	
W1	16.5±0.4 0.65±0.016		

ORDERING INFORMATION

Part Number	Size	Marking	QTY/Reel	Reel Size
SG2R06B1200A	6.2*6.2*4.2mm	🕢 SG1200 <u>06</u>	800PCS	13"



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By QR Code





Website

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