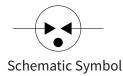


FEATURES

- High Current Handling Capability 10000A @ 8/20 μs
- Low Capacitance and Insertion Loss
- | Quick Response and Long Service Life
- Moisture sensitivity level:Level 1



8.3*8.3*6.0mm



APPLICATION INFORMATION

Communication equipment.

- Repeaters, Modems
- | Telephone Interface, Line cards.

Data communication equipment.

AGENCY APPROVALS

lcon	Solderability	
RoHS	Compliance with 2011/65/EU	
HF	Compliance with IEC61249-2-21:2003	
P	Mean lead free	
IR.	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 Blocking Voltage 1)	100V/s	2000-3000	
Impulse Spark-over Voltage	At 1kV/µs	for 99 % of measured values \leq 3500	V
	At 1kV/µs	Typical values of distribution \leq 3200	V
Impulse Discharge Current 2)	8/20µs	10000	А
AC Discharge Current	50Hz, 1S, 10times	20	А
Insulation Resistance	DC=250V	≥1	GΩ
Capacitance at 1MHz	V _{DC} =0.3V	≤ 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 61643-21

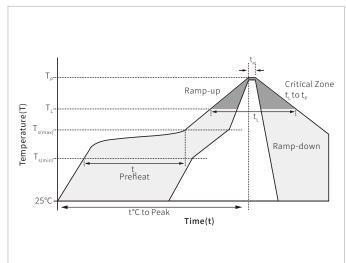
ENVIRONMENTAL RELIABILITY CHARACTERISTICS

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 \pm 5°C; Time of dip soldering:10s, 1time	

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

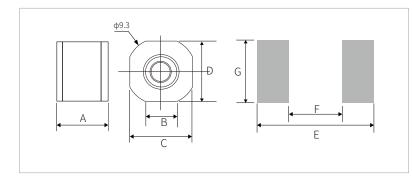
REFLOW PROFILE

	Reflow Condition	Lead-free assembly	
	Temperature Min	150°C	
Pre Heat	Temperature Max	200°C	
	Time(min to max)	60 – 180 secs	
Average ramp up rate (Liquidus)Temp (T $_{\rm L})$ to peak		3°C/second max	
T _s (max)to T _L - Ramp-up Rate			
Reflow	Temperature (T _L) (Liquidus)	217°C	
Renow	Time(min to max)(t _s)	60 – 150 seconds	
Peak Tem	nperature (T _P)	260 °C	
Time within 5°C of actual peak Temperature (tp)		10-30 seconds	
Ramp-down Rate		6°C/second max	
Time 25°C to peak Temperature (T _P)		8 minutes max.	
Do not exceed		260°C	



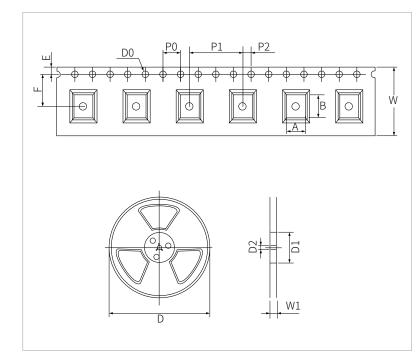


DIMENSIONS AND RECOMMENDED SOLDERING PAD



Ref. mm		
А	6.0±0.2	
В	4.2±0.1	
С	8.3±0.2	
D	8.3±0.2	
E	7.0	
F	4.0	
G 8.0		

PACKAGE REEL INFORMATION



Ref.	mm	inch
А	6.5±0.1	0.256±0.004
В	8.4±0.1	0.331±0.004
DO	Φ1.5±0.1	Ф0.059±0.004
PO	4.0±0.1	0.157±0.004
P1	12.0±0.1	0.472±0.004
P2	2.0±0.1	0.079±0.004
E	1.75±0.1	0.069±0.004
F	7.5±0.1	0.295±0.004
W	16.5±0.4	0.650±0.016
D	Ф 330.0	Φ13.0
D1	Φ 50Min	Φ 1.97Min
D2	Φ13±0.15	0.512±0.006
W1	16.8±2.0 0.661±0	

ORDERING INFORMATION

Part Number	Size	QTY/Reel	Reel Size
SG2R09B2500	8.3*8.3*6.0mm	600pcs	13"



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By QR Code





Website

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