

FEATURES

| Surface Mounting Design 8.3*8.3*6.0mm

High Current Handling Capability 20000A @ 8/20 μs

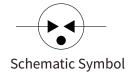
Low Capacitance and Insertion Loss

| Quick Response and Long Service Life

| Moisture sensitivity level:Level 1



8.3*8.3*6.0mm



APPLICATION INFORMATION

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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
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	Condition	Rating	Unit
DC Blocking Voltage 1)	100V/s	320-480	V
Impulse Spark-over Voltage	At 1kV/μs	for 99 % of measured values ≤ 800	V
impulse Spark-over voltage	At 1kV/μs	Typical values of distribution ≤ 750	V
Impulse Discharge Current 2)	8/20µs	20000	А
AC Discharge Current	50Hz, 1S, 10times	20	А
Insulation Resistance	DC=100V	≥ 1	GΩ
Capacitance at 1MHz	V _{DC} =0.3V	≤ 1.5	pF
Operating and Storage Temperature		-40-125	°C

¹⁾ In ionized mode

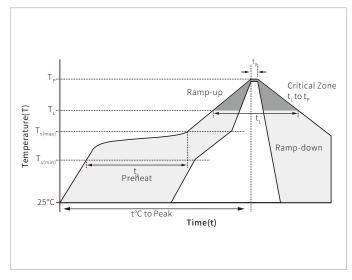
ENVIRONMENTAL RELIABILITY CHARACTERISTICS

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±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

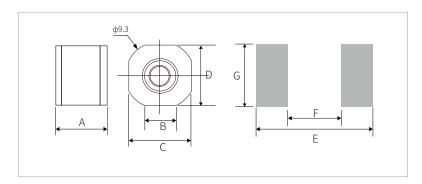
Reflow Condition		Lead-free assembly	
	Temperature Min	150°C	
Pre Heat	Temperature Max	200°C	
	Time(min to max)	60 – 180 secs	
Average ra	mp up rate (Liquidus) Temp (T_L) to peak	3°C/second max	
T _s (max)to T _L - Ramp-up Rate		5 C/3CCONTONIAX	
Reflow	Temperature (T _∟) (Liquidus)	217°C	
	$Time(min to max)(t_s)$	60 – 150 seconds	
Peak Ten	nperature (T₅)	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,)		8 minutes max.	
Do not exceed		260°C	



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

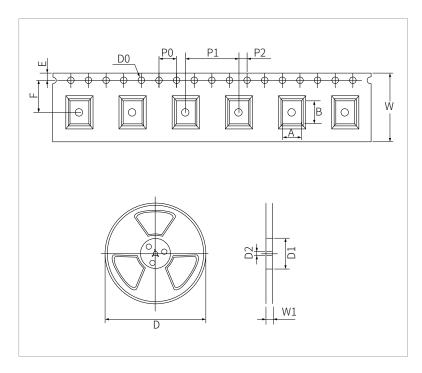


DIMENSIONS AND RECOMMENDED SOLDERING PAD



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
D0	Ф 1.5±0.1	Ф 0.059±0.004
P0	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	Ф 13.0
D1	Ф 50Min	Ф 1.97Min
D2	Ф 13±0.15	0.512±0.006
W1	16.8±2.0	0.661±0.079

ORDERING INFORMATION

Part Number	Size	QTY/Reel	Reel Size
SG2R09B400	8.3*8.3*6.0mm	600pcs	13"



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By QR Code





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Machat

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