

### **FEATURES**

1	Surfaco	Mounting	Docian	6.2*6.2*4.2mm
	Sunace	wounting	Design	0.2 0.2 4.2000

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



6.2\*6.2\*4.2mm



Schematic Symbol

# **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     Image: Mean lead free   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	1440-2160	V
Impulse Spark-over Voltage	ltage	for 99 % of measured values $\leq$ 2600	V
	At 1kV/µs	Typical values of distribution $\leq 2500$	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 <sub>DC</sub> =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	

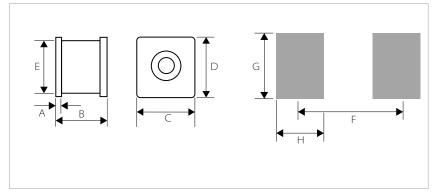
NOTE: Up-screen program can be specified by customer's request via contacting Semiware service



# **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 ramp up rate (Liquidus)Temp ( $T_L$ ) to peak		3°C/second max
T <sub>s</sub> (max)to T <sub>L</sub> - Ramp-up Rate		5 C/Second max
	Temperature (T <sub>L</sub> ) (Liquidus)	217°C
Reflow	Temperature (T <sub>L</sub> )	60-150 seconds
Peak Temperature (T <sub>p</sub> )		260+0/-5 °C
Time within 5°C of actual peak Temperature (tp)		~10 seconds
Ramp-down Rate		6°C/second max
Time 25°C to peak Temperature (T <sub><math>p</math></sub> )		8 minutes max.
Do not exceed		260°C

#### **PRODUCT DIMENSIONS AND RECOMMENDED SOLDERING PAD**

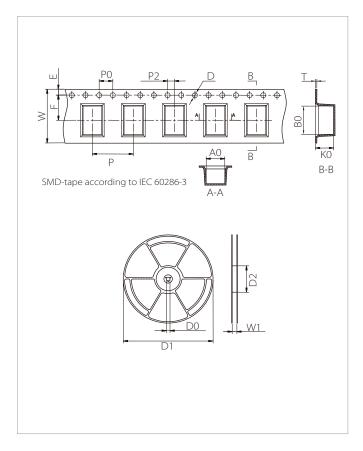


Ref.	mm
A	0.6±0.1
В	4.2±0.3
С	6.2±0.2
D	6.2±0.2
E	Ф6±0.1
F	3.5
G	6.8
Н	1.2





### TAPE AND REEL SPECIFICATION



Ref.	Dimensions		
nei.	Millimeters	Inches	
W	16±0.3	0.630±0.012	
AO	4.6±0.1	0.181±0.004	
BO	6.5±0.1	0.256±0.004	
KO	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	
PO	4±0.1	0.157±0.004	
P2	2±0.1	0.079±0.004	
Т	0.5±0.1	0.020±0.004	
DO	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
SG2R06B1800A	6.2*6.2*4.2mm	🕢 SG1800 <u>06</u>	800PCS	13″



#### Headquarters

No.3387 Shendu Road Pujiang I&E Park Minhang Shanghai China 201000

Hotline

400-021-5756

Web Https://www.semiware.com

#### **Sales Center**

Tel: 86-21-3463-7458 Email: sales18@semiware.com

#### **Customer Service**

Tel: 86-21-5484-1001 Email: sales17@semiware.com

#### **Technical Support**

Tel: 86-21-3463-7654 Email: fae01@semiware.com

#### **Complaint & Suggestions**

Tel: 86-21-3463-7172 Ext: 8868 Email: cs03@semiware.com

#### By QR Code





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