

FEATURES

| Size Design Φ5.5*6.0mm

High Current Handling Capability 5,000A @ 8/20 μs

Low Capacitance and Insertion Loss

| Quick Response and Long Service Life

| Moisture sensitivity level:Level 1





Schematic Symbol

APPLICATION INFORMATION

| Communication equipment.

Repeaters, Modems

| Telephone Interface,Line cards.

Data communication equipment.

AGENCY APPROVALS

Icon	Solderability	
RoHS	Compliance with 2011/65/EU	
HF	Compliance with IEC61249-2-21:2003	
Pb	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

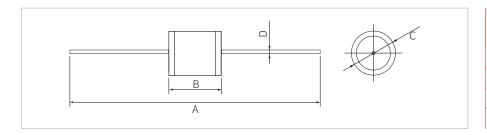
Parameter	Symbol	Limit	Unit
DC Blocking Voltage 1)	100V/s	72-108	V
Impulse Spark-over Voltage	At 1kV/μs	for 99 % of measured values ≤ 650	V
impulse spark-over voltage	At 1kV/μs	Typical values of distribution ≤ 600	V
Impulse Discharge Current 2)	8/20μs ±5times	5	KA
Insulation Resistance	DC=25V	≥1	GΩ
Capacitance at 1MHz	V _{DC} =0.5V	≤ 1	pF
Operating and Storage Temperature		-40~125	°C

¹⁾ In ionized mode

ENVIRONMENTAL RELIABILITY CHARACTERISTICS

Testing items	Technical standards	
High Temperature Storage Test	Temperature: 125°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	

PRODUCT DIMENSIONS

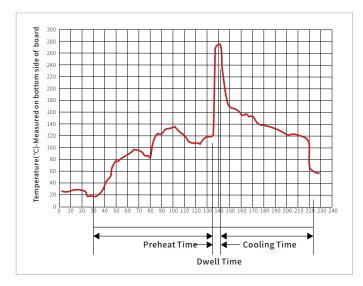


Ref.	Outline Dimensions	
	Millimeters	
Α	62±2	
В	6±0.2	
С	Ф5.5±0.2	
D	Ф0.8	

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

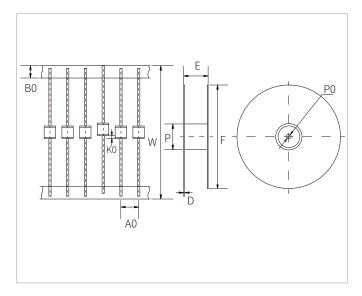


WAVE SOLDERING



Wave Parameter		Lead-free assembly
	Temperature Min	100°C
Pre Heat	Temperature Max	150°C
	Time(min to max)	60 – 180 secs
Solder pot Temperature		280°C Max
Solder Dwell Time		2-5 seconds

TAPE AND REEL SPECIFICATION



Ref.	Dimensions		
Rei.	Millimeters	Inches	
W	65±2	2.559±0.079	
A0	10±0.5 0.394±0.020		
В0	6±1 0.236±0.012		
K0	1.2 Max.	0.47 Max.	
D	2.5±0.5	0.098±0.020	
F	340±2 13.39±0.079		
Е	73±2	2.874±0.079	
Р	82±2	3.228±0.079	
P0	Ф16±1 Ф0.63±0.039		

ORDERING INFORMATION

Part Number	Size	Marking	Qty/pcs	
			Reel	Carton
SG2R05B090	Ф5.5*6.0mm	⊘ SG090 <u>05</u>	1000	4000



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By QR Code





Wehsite

Macha

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