

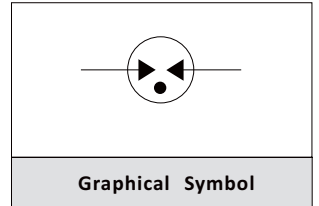
## FEATURES

- > High insulation resistance.
- > Low capacitance( $\leq 0.5\text{pF}$ ).
- > 500A 8/20 $\mu\text{s}$  maximum surge current capacity in accordance with IEC61000-4-5.
- > 4KV 10/700 $\mu\text{s}$  maximum surge rating in accordance with ITU-TK.21.
- > Surface mounted gas arrester.
- > Micro-Gap Design.
- > Size 3216(1206).
- > Storage and operating temperature:  $-40 \sim +85 \text{ }^\circ\text{C}$ .
- > Meets MSL level 1, per J-STD-020.



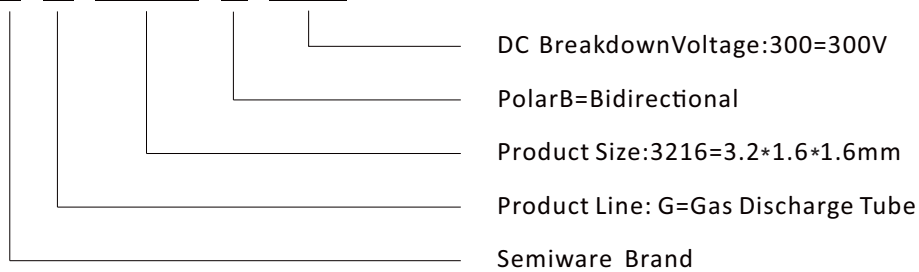
## APPLICATIONS

- > Repeaters, Modems.
- > Telephone Interface Line cards.
- > Data communication equipment.
- > Line test equipment.



## PART NUMBER CODE

**S G 3216 B 300**

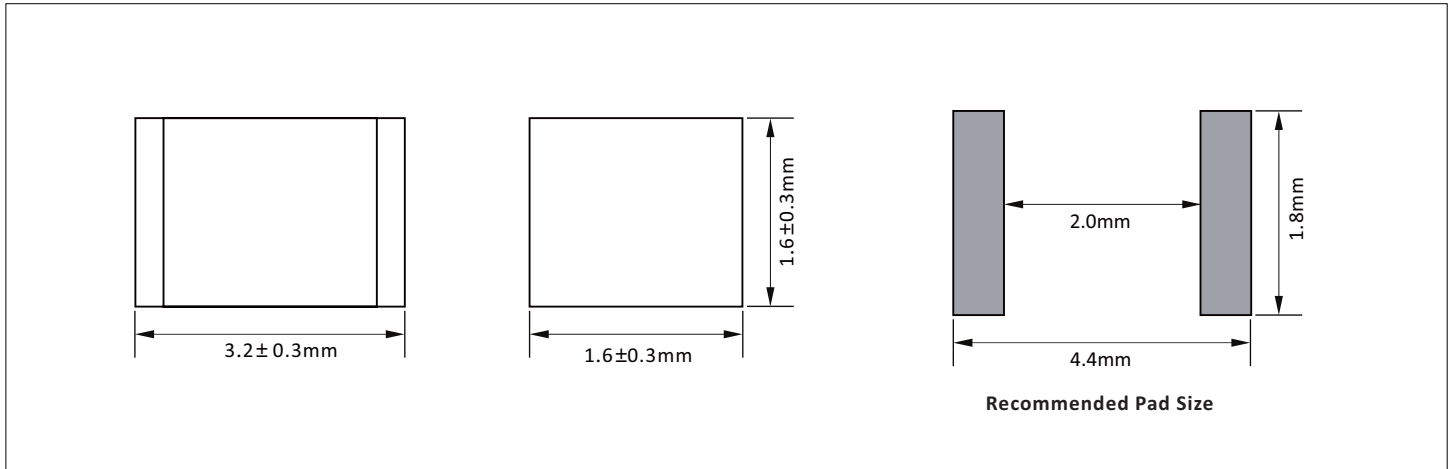


## ELECTRICAL CHARACTERISTIC

Part Number	DC Breakdown Voltage	Tolerance of Vs	Impulse Spark-over Voltage	Impulse Discharge Current	Insulation Resistance		C@1MHZ Max.
	100V/s		1KV/us Max.	8/20us Min.	Min.	DC	
SG3216B300	300V	$\pm 30\%$	950V	500A	1Gohm	100V	0.5pF



**PRODUCT DIMENSIONS**



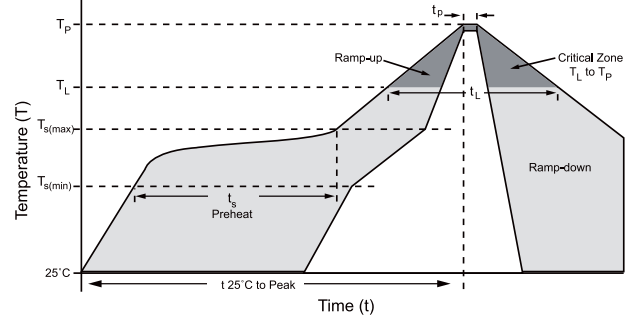
**ENVIRONMENTAL RELIABILITY CHARACTERISTICS**

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°C ;Time of dip soldering:10s,1time



## REFLOW PROFILE

Reflow Condition		Lead-free assembly
Pre Heat	Temperature Min (Ts(min))	150°C
	Temperature Max (Ts(max))	200°C
	Time (min to max) (ts)	60–180 secs
Average ramp up rate (Liquidus Temp (TL) to peak)		3°C/second max
Ts(max) to TL - Ramp-up Rate		3°C/second max
Reflow	Temperature (TL) (Liquidus)	217°C
	Time (min to max) (ts)	60–150 seconds
Peak Temperature (Tp)		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 (Tp)		8 minutes Max.
Do not exceed		260°C



## ORDERING INFORMATION

Part Number	SIZE(mm)	QTY/Reel	Reel Size
SG3216B300	3.2x1.6x1.6	1000PCS	13"



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