

Gas Discharge Tube – SA151N Series

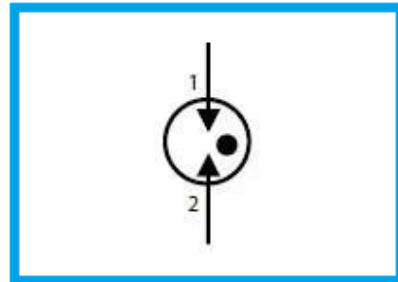
Features

- DC Spark-over voltage: 150V
- Low Capacitance
- Micro-Gap Design
- Stable breakdown voltage
- RoHS & HF compliant
- High holdover voltage
- High insulation resistance
- Large absorbing transient current capability.



Applications

- Communication equipment
- Test equipment
- Data lines
- CATV equipment
- Power Supplies
- Telecom SLIC protection
- Telecommunications

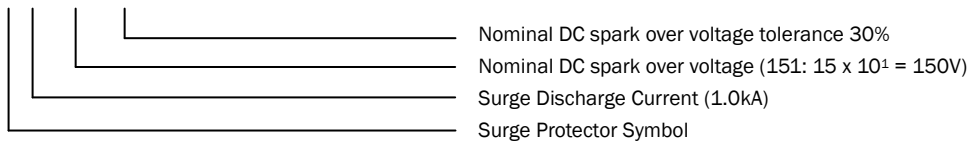


General Characteristics Definition

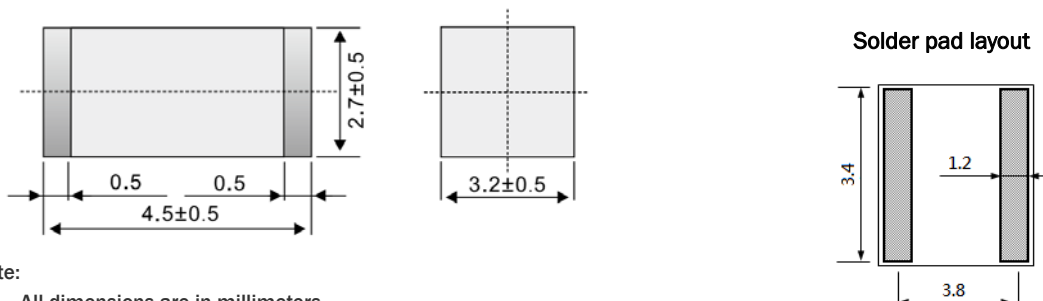
- Operating temperature: -40 ~ 85°C
- Storage temperature: -40 ~ 85°C

Part Number Code

S A 151 N



Physical Dimensions



Note:

1. All dimensions are in millimeters.
2. No marking on the device.

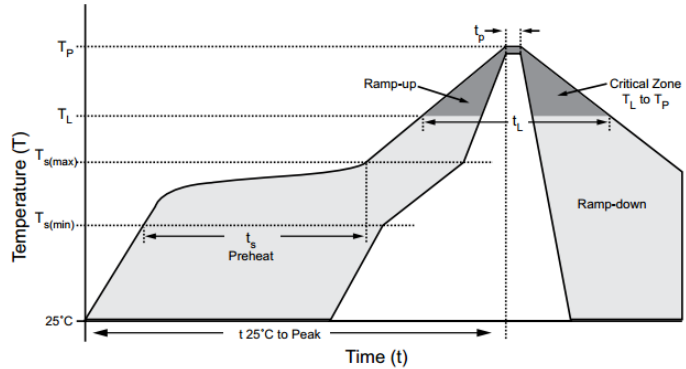
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Electrical Characteristics

Part Number	DC Spark-over Voltage @ 100V/S	Impulse Spark-over Voltage @ 1kV/μS	Impulse Discharge Current	Impulse Life Test	Minimum Insulation Resistance Test @ 100 Vdc	Maximum Capacitance @ 1.0 MHz	UL Certification (E474915)
	(V)	(V)	(kA)	(A)	(GΩ)	(pF)	
SA151N	150±30%	≤ 750	1	100	1	0.5	Pending

Lead Free Reflow Soldering Recommendations

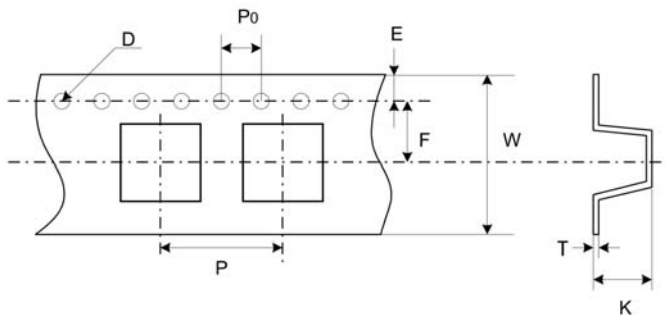
Preheat	
- Temperature Min (T _{smin})	150°C
- Temperature Max (T _{smax})	200°C
- Time (T _{smin} to T _{smax})	60-180 seconds
- Average Ramp-Up Rate	1~3°C/second
Peak Temperature	260°C max.
Time within 5°C of actual Peak Temperature (t_p)	40 seconds max.
Ramp-Down Rate	6 °C /second max.



Note: If the wave soldering temperatures exceed the recommended profile, devices may not meet the performance requirements.

Packaging Information

Part Number	Quantity	
	EA/Roll	EA/Box
SA151N	2500	7500



Dimension	Millimeters
P	8.0±0.1
P0	4.0±0.1
D	1.55±0.05
E	1.75±0.1
F	5.45±0.1
W	12.0±0.3
T	0.4±0.05
K	3.2±0.1

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