



## J1GxxxN2SA Gas Discharge Tube

Rev.1.0

### FEATURE

Eliminates small size design EIA 3.2 2.5 2.5mm.

Current handling capability 1,000A@8/20μs.

Low capacitance and insertion loss.

Fast response and long service life.

Reliable to protect electrostatic surge.

Moisture sensitivity level: Level 1.

Storage and operating temperature -40 ~ +85

Safety certification: E480698

### APPLICATION INFORMATION

Repeaters, modems.

Telephone interface, line cards.

Data communication equipment.

Line test equipment.

### ELECTRICAL CHARACTERISTICS

|             |   |                       |   |  |                                     |                 |
|-------------|---|-----------------------|---|--|-------------------------------------|-----------------|
| Part number | DC<br>breakdown<br>voltage<br>100V/s(V) | Tolerance<br>of $V_S$ | Impulse<br>spark-over<br>voltage<br>1KV/μs(V) | Impulse<br>discharge<br>current<br>8/20μs(A) | Insulation<br>resistance<br>G DC(V) | $C_o$<br>(1MHz) |
|-------------|---|-----------------------|---|--|-------------------------------------|-----------------|

## PART NUMBERING SYSTEM

J1G 151 N 2S A

(1) (2) (3) (4) (5)

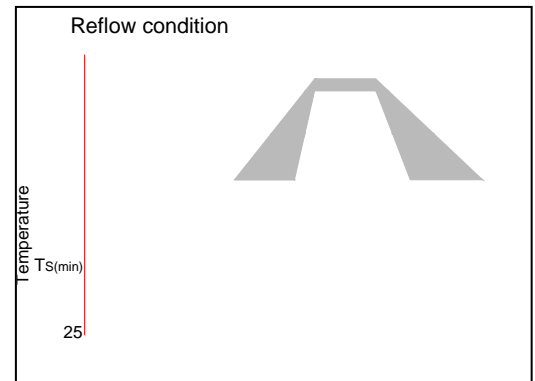
(1) JieJie 2KA gas discharge tube

(2) DC breakdown voltage, e.g., 151=15 10<sup>1</sup>=150V

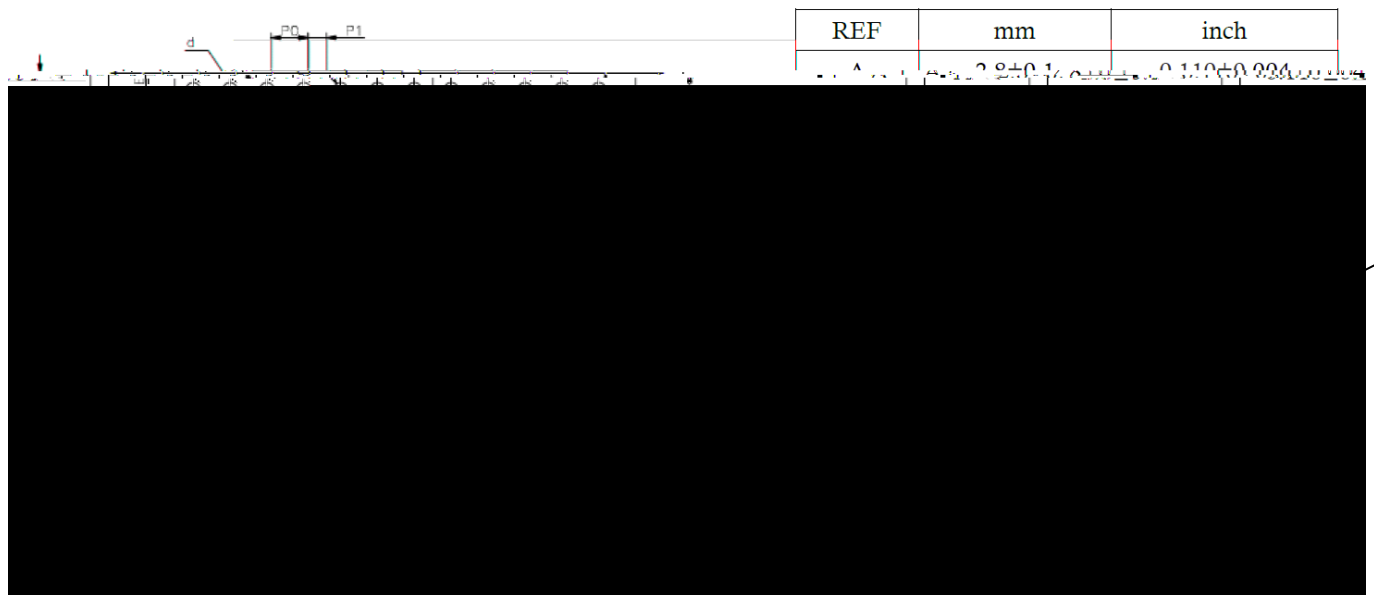
(3) Tolerance is DC breakdown voltage, M=2 Tc 0 Tw 8.04 0 777

REFLOW PROFILE

|   |                                   |   |
|---|-----------------------------------|---|
| Reflow Condition                                      |                                   | Pb-Free assembly<br>(see figure at right) |
| Pre Heat  | -Temperature Min ( $T_{s(min)}$ ) | +150                                      |
|   | -Temperature Max( $T_{s(max)}$ )  | +200                                      |
|   | -Time (Min to Max) (ts)           | 60-180 secs.                              |
| Average ramp up rate (Liquidus Temp ( $T_L$ )to peak) |                                   | 3 /sec. Max                               |
| $T_{s(max)}$ to $T_L$ - Ramp-up Rate                  |                                   | 3 /sec. Max                               |
| Reflow  | -Temperature( $T_L$ )(Liquidus)   | +217                                      |
|   | -Temperature( $t_L$ )             | 60-150 secs.                              |
| Peak Temp ( $T_p$ )                                   |                                   | +260(+0/-5)                               |
| Time within 5 of actual Peak Temp ( $t_p$ )           |                                   | ~10 secs.                                 |
| Ramp-down Rate  |                                   | 6 /sec. Max                               |
| Time 25 to Peak Temp ( $T_p$ )                        |                                   | 8 min. Max                                |
| Do not exceed   |                                   | +260                                      |



PACKAGE REEL INFORMATION



**PACKAGING**


| Part No.   | Reel Quantity (pcs) | Per Carton (pcs) |
|------------|---------------------|------------------|
| J1GxxxN2SA | 2500                | 50,000           |

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