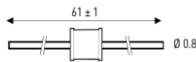


BA S(T&R) 230/20



- The smallest 2-electrode GDT
- No radioactive
- Used in connector blocks and adapted holders
- SMD compatible
- Version lead termination available (BA S)
- Available in Tape&Reel packaging



Electrical Characteristics

| | | |
|--|------------------------|-----------|
| DC sparkover voltage (100V/s) | | 184-276 V |
| DC spark voltage tolerance | | +/- 20% |
| Maximum impulse sparkover voltage (1kV/μs) | | <700 V |
| Nominal discharge current 10 x 8/20μs impulses | I _n | 10 kA |
| Total Maximum discharge current max. total withstand @ 8 /20 μs | I _{max} Total | 25 kA |
| Impulse discharge current 10/350μs - 1 time | | 2 kA |
| Max. capacitance | C | <0.3 pF |
| Insulation resistance | IR | ≥10 GOhms |
| Arc Voltage | | ≤ 25 V |
| Glow voltage | | ≤ 100 V |
| AC discharge current (50Hz) | | 10 A |
| DC Holdover voltage R = 300 ohms in serie R = 150 ohms; 100nF en parallel | | >80 V |

Mechanical Characteristics

| | | |
|--|--|--------------------------|
| Impulse life 300 times, interval 2 min | | 50 A |
| Technology | | Gas discharge tube |
| GDT configuration | | 2-electrode |
| Mounting | | On Printed Circuit Board |
| Operating and storage temperature | | -40°C / +90°C |
| Connection | | Wire |
| Number of units per package | | 800 units per packaging |
| Tape&Reel Version | | Bending version |
| Dimensions | | See diagram |

Standards

| | | |
|----------------------|--|----------------|
| Standards compliance | | ITU-T K12 rec. |
| Certification | | UL1283 |
| RohS compliance | | Yes |

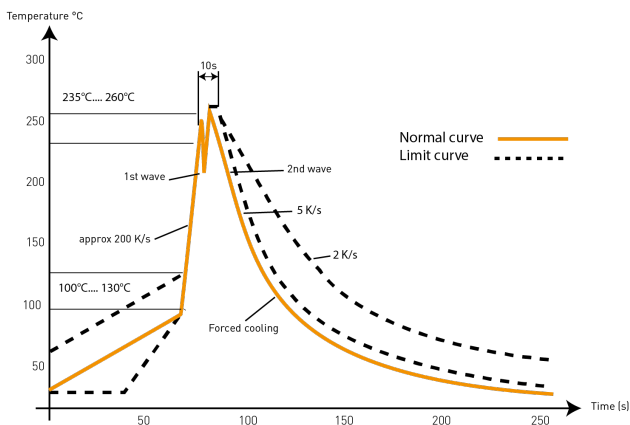
Part number

929825701

Note: NQA Niveau II 0,65, ISO DIN 2859

Soldering recommendation

Wave soldering cycle for gas discharge tubes:



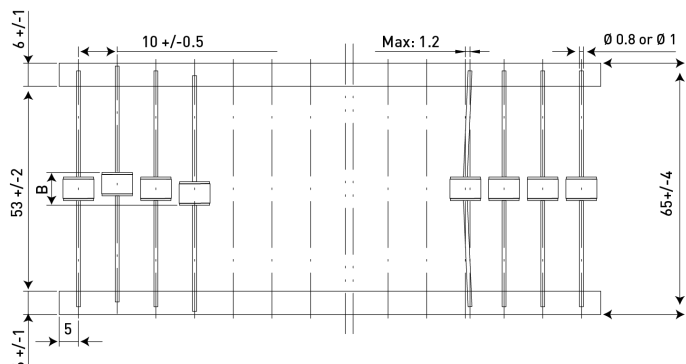
The curve is conform with the standard test: IEC 60068 part 2-58.

Annotation:

The soldering oven (reflow or wave) for gas discharge tube with failsafe mechanism must be define with precaution.

Packaging specification

Radial taping layout for gas discharge tubes with wire output:



The CITEL gas discharge tubes with wire output are provided in a radial tape in a pack of 500 components (plan opposite) following the specification IEC 286-1.



