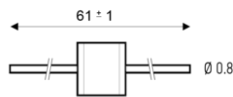


### BB S 90/20



- 2-electrode GDT
- No radioactive
- For PCB mounting (BBS series)
- Lead termination version
- ITU-K12 compliant
- Available in Tape & Reel Packaging



#### Electrical Characteristics

|   |                        |           |
|---|------------------------|-----------|
| DC sparkover voltage (100V/s)   |                        | 72-108 V  |
| DC spark voltage tolerance  |                        | +/- 20%   |
| Maximum impulse sparkover voltage (1kV/μs)                                    |                        | <580 V    |
| Nominal discharge current 10 x 8/20μs impulses                                | I <sub>n</sub>         | 10 kA     |
| Total Maximum discharge current max. total withstand @ 8 /20 μs               | I <sub>max Total</sub> | 25 kA     |
| Impulse discharge current 10/350μs - 1 time                                   |                        | 2 kA      |
| Max. capacitance  | C                      | <0.8 pF   |
| Insulation resistance   | IR                     | ≥10 GOhms |
| Arc Voltage   |                        | ≤ 25 V    |
| Glow voltage  |                        | ≤ 80 V    |
| AC discharge current (50Hz)   |                        | 10 A      |
| DC Holdover voltage<br>R = 300 ohms in serie R = 150 ohms; 100nF en parrallel |                        | >60 V     |

#### Mechanical Characteristics

|                                   |  |                              |
|-----------------------------------|--|------------------------------|
| Technology                        |  | Gas discharge tube           |
| Operating and storage temperature |  | -40°C / +90°C                |
| Connection                        |  | Wire                         |
| Tape & Reel                       |  | BB S (T&R) 90/20 - 928400101 |
| Dimensions                        |  | See diagram                  |
| Weight                            |  | 1.59 g                       |

#### Standards

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

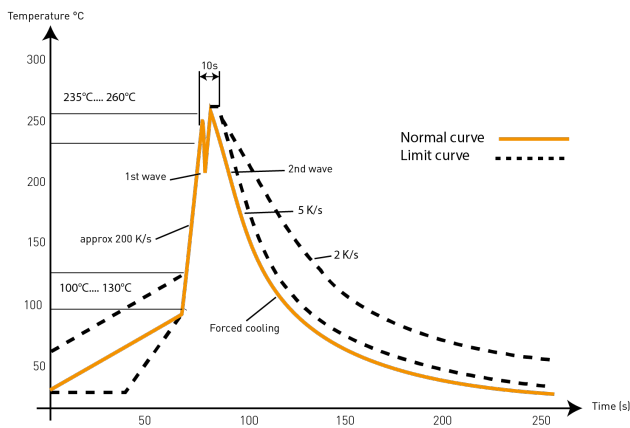
#### Part number

**9284001**

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 to define with precaution.