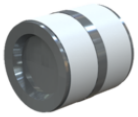
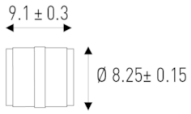
# BT 150/20



- 3-electrode GDT
- No radiactive
- Use in connection blocks and holders
- ITU-K12 compliant
- Available in version for PCB mounting (BT S and BT R series)



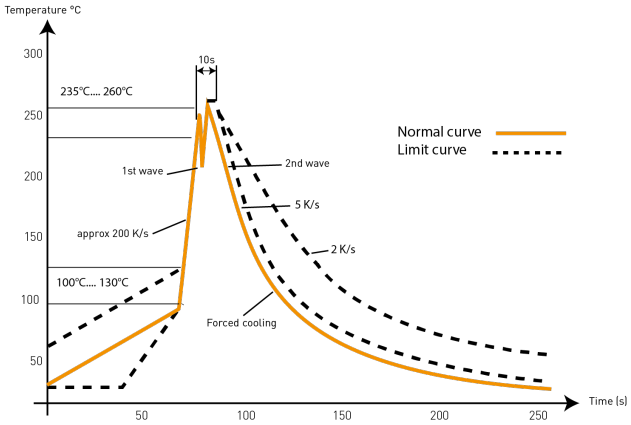

| Electrical Characteristics | | |
|---|---|---|
| DC sparkover voltage (100V/s) | | 120-180 V |
| DC spark voltage tolerance (100V/s) | | +/- 20% |
| Maximum impulse sparkover voltage (1kV/µs) | | ≤620 V |
| Nominal discharge current(10 x 8/20µs impulses) | In | 20 kA |
| Total Maximum discharge current (max. total withstand @ 8 /20 µs ) | Imax Total | 25 kA |
| Impulse discharge current (10/350µs - 1 time) | | 4 kA |
| Max. capacitance | C | <0.9 pF |
| Insulation resistance | IR | ≥10 GOhms |
| Arc Voltage | | ≤ 25 V |
| Glow-to-arc transition current | | 0.5 A |
| Glow voltage | | ≤ 100 V |
| AC discharge current (50Hz) | | 20 A |
| DC Holdover voltage ( R = 300 ohms in serie R = 150 ohms; 100nF en parrallel) | | >80 V |
| **Mechanical Characteristics** | | |
| Technology | | Gas discharge tube |
| Operating and storage temperature | | -40°C / +90°C |
| Dimensions | | See diagram |
| Weight | | 2.31 g |
| **Standards** | | |
| Standards compliance | | ITU-T K12 rec. |
| Certification | | UL Recognized / ROHS |
| RohS compliance | | Yes |
| **Part number** | | |
| **9290002** | | |

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

## Soldering recommendation

Wave soldering cycle for gas discharge tubes:

# BT 150/20




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 be define with precaution.