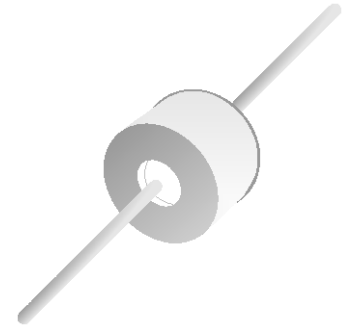


### Features

- 2-electrode arrester
- Very small size
- Extremely fast response time
- Stable performance over life
- Extremely low capacitance (<1.5pF)
- High insulation resistance



### Application

- Modem
- Splitter
- Base stations

### Electrical specifications

|   |               |        |
|---|---------------|--------|
| DC spark-over voltage <sup>1) 2)</sup> at 100 V/s<br>tolerance                    | 2000<br>±20   | V<br>% |
| Impulse spark-over voltage<br>at 1 KV/μs  | < 3000        | V      |
| Nominal impulse discharge current <sup>3)</sup><br>8/20 μs, 5 times each polarity | 10            | KA     |
| Arc voltage at 1A   | ~15           | V      |
| Insulation resistance at 100 V <sub>DC</sub>                                      | > 1           | GΩ     |
| Capacitance at 1 MHz  | ≤ 1.5         | pF     |
| Marking   | Blue negative |        |

1) At delivery AQL 0.65 level II, DIN ISO 2859.

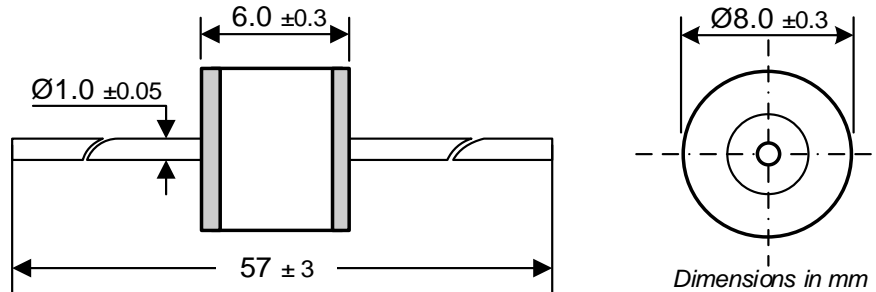
2) In ionized mode.

3) Tests according to ITU-T Rec. K. 12 , IEC61643-311.

### Thermal Resistances

| Symbol  | Parameter                             | Value      | Unit |
|---------|---------------------------------------|------------|------|
| Ts & Tj | Storage & Operating temperature range | -40 to +85 | °C   |

## Dimensional drawing

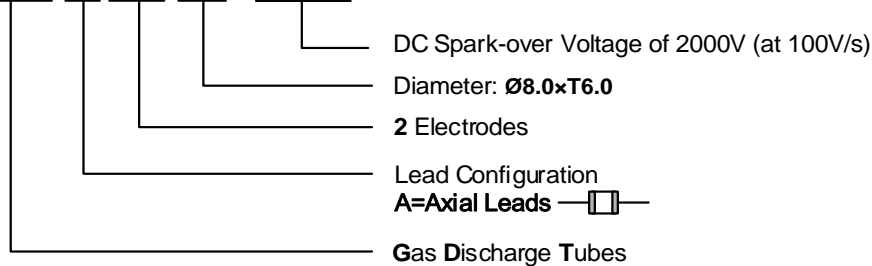


## Cautions and warnings

- Gas Discharge Tubes must not be operated directly in power supply networks.
- Gas Discharge Tubes may become hot in case of longer periods of current stress (danger of burning).
- Gas Discharge Tubes may be used only within their specified values. In case of overload, the head contacts may fail or the component may be destroyed.
- Damaged Gas Discharge Tubes must not be re-used.

## Part Numbering System

**GDT A 2R D8- 2000**



## Package Information

Quantity:100PCS(Plastic box)

## Contact Information

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For additional information, please contact your local Sales Representative.

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*Specifications are subject to change without notice.  
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.  
Users should verify actual device performance in their specific applications.*