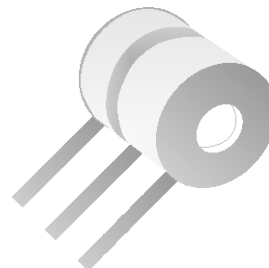


## Features

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



## Applications

- Line protection
- Station protection
- Base stations

## Electrical specifications

|  |             |        |
|--|-------------|--------|
| DC spark-over voltage <sup>1) 2) 4)</sup>      | 350<br>± 20 | V<br>% |
| Impulse spark-over voltage <sup>4)</sup>       |             |        |
| at 100 V/μs - typical values of distribution   | < 700       | V      |
| at 1 kV/μs - typical values of distribution    | < 800       | V      |
| Service life <sup>3)</sup>                     |             |        |
| 5 operations   50 Hz, 1 s                      | 10          | A      |
| 10 operations   8/20 μs                        | 10          | kA     |
| Insulation resistance at 100 VDC <sup>4)</sup> | > 1         | GΩ     |
| Capacitance at 1 MHz <sup>4)</sup>             | < 1.5       | pF     |
| Transverse delay time                          | < 0.2       | μs     |
| Arc voltage at 1 A                             | ~ 35        | V      |
| Glow to arc transition current                 | ~ 1         | A      |
| Glow voltage                                   | ~ 200       | V      |
| Weight   | ~ 2.2       | g      |
| Operation and storage temperature              | -40 ~ +90   | °C     |
| Climatic category (IEC 60068-1)                | 40/ 90/ 21  |        |
| Marking, blue negative                         |             |        |

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

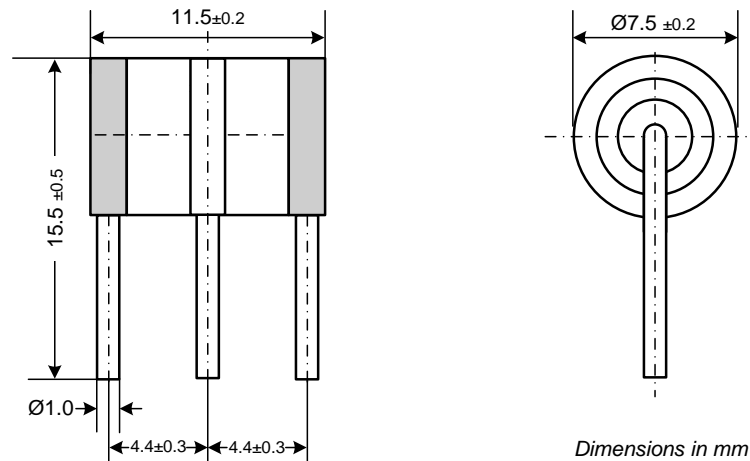
2) In ionized mode.

3) Tests according to ITU-T Rec. K. 12 and UL 497B.

4) Tip or ring electrode to center electrode.

Terms and current waveforms in accordance with: ITU-T Rec. K.12; IEC 61643-21 and DIN 57845/VDE0845.

## Dimensional drawing

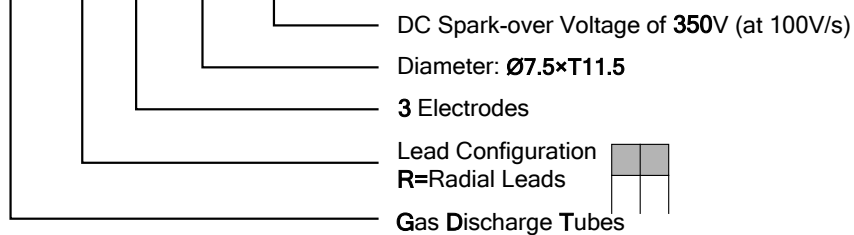


## Cautions and warnings

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

## Part Numbering System

**GDT R 3R D7-350**



## Package Information

Quantity: 100PCS(Plastic box), 5000PCS(Carton)

Measurement: 197×167×9mm(Plastic box), 360×260×210mm(Carton)

Effectivity: Reference documents shall be the issue in effect on the date of invitation for bid.

Caution: Operation beyond the rated voltage or current may result in rupture electrical arcing or flame.

## CONTACT INFORMATION

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