

# ANTREX Electronics

## Electronic Components Sourcing Information

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### Product Reference Information

**Part Number:** B88069X7460B102  
**Manufacturer:** TDK  
**Package:** Bulk  
**Availability:** Please confirm with sales

**Product Page:**

<https://antrexco.com/product/details/tdk/b88069x7460b102.html>

**Request a Quote:**

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### Quality & Trust

New & Original Components

Supplier verification and packaging condition review

CoC / RoHS / REACH documents available on request

Secure sourcing support for OEM / EMS projects

**Note:**

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.



## Surge arrester

### 3-electrode arrester

|                       |                        |
|-----------------------|------------------------|
| <b>Series/Type:</b>   | <b>T63-C350X</b>       |
| <b>Ordering code:</b> | <b>B88069X7460B102</b> |
| <b>Date:</b>          | <b>2026-04-01</b>      |
| <b>Version:</b>       | <b>06</b>              |

## Surge arrester

B88069X7460B102

## 3-electrode arrester

T63-C350X

### Features

- Very fast response time
- Maximum current rating
- Stable performance over life
- Low capacitance
- High insulation resistance
- RoHS-compatible

### Applications

- Branch exchange (MDF)
- Line protection
- Station protection

### Electrical specifications

|                                                            |                                                                                 |    |
|------------------------------------------------------------|---------------------------------------------------------------------------------|----|
| DC spark-over voltage <sup>1) 2) 3)</sup>                  | 350                                                                             | V  |
| Tolerance                                                  | ±25                                                                             | %  |
| Min.                                                       | 263                                                                             | V  |
| Max.                                                       | 437                                                                             | V  |
| Impulse spark-over voltage <sup>3)</sup>                   |                                                                                 |    |
| at 100 V/μs - for 99% of measured values                   | < 800                                                                           | V  |
| - typical values of distribution                           | < 770                                                                           | V  |
| at 1 kV/μs - for 99% of measured values                    | < 900                                                                           | V  |
| - typical values of distribution                           | < 850                                                                           | V  |
| Service life                                               |                                                                                 |    |
| 10 operations 50 Hz; 1 s <sup>4)</sup>                     | 20                                                                              | A  |
| 1 operation 50 Hz; 0.18 s (9 cycl.) <sup>4)</sup>          | 130                                                                             | A  |
| 10 operations [5× (+) & 5× (-)] 8/20 μs <sup>4)</sup>      | 20                                                                              | kA |
| 1 operation 8/20 μs <sup>4)</sup>                          | 40                                                                              | kA |
| 1 operation 10/350 μs <sup>4)</sup>                        | 5                                                                               | kA |
| 400 operations 10/700 μs                                   | 400                                                                             | A  |
| 800 operations 10/1000 μs <sup>4)</sup>                    | 1000                                                                            | A  |
| Insulation resistance at 100 V <sub>DC</sub> <sup>3)</sup> | > 10                                                                            | GΩ |
| Capacitance at 1 MHz <sup>3)</sup>                         | < 1.5                                                                           | pF |
| Transverse delay time <sup>5)</sup>                        | < 0.2                                                                           | μs |
| Arc voltage at 1 A                                         | ~ 35                                                                            | V  |
| Glow to arc transition current                             | < 1                                                                             | A  |
| Glow voltage                                               | ~ 200                                                                           | V  |
| Weight                                                     | ~ 3.5                                                                           | g  |
| Operation and storage temperature                          | -40 ... +125                                                                    | °C |
| Climatic category (IEC 60068-1)                            | 40/125/21                                                                       |    |
| Marking, blue negative                                     | <b>TDK</b><br><b>350 YY</b><br>350 - Nominal voltage<br>YY - Year of production |    |

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# Surge arrester

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## 3-electrode arrester

T63-C350X

### Certifications

UL 497B (E163070)

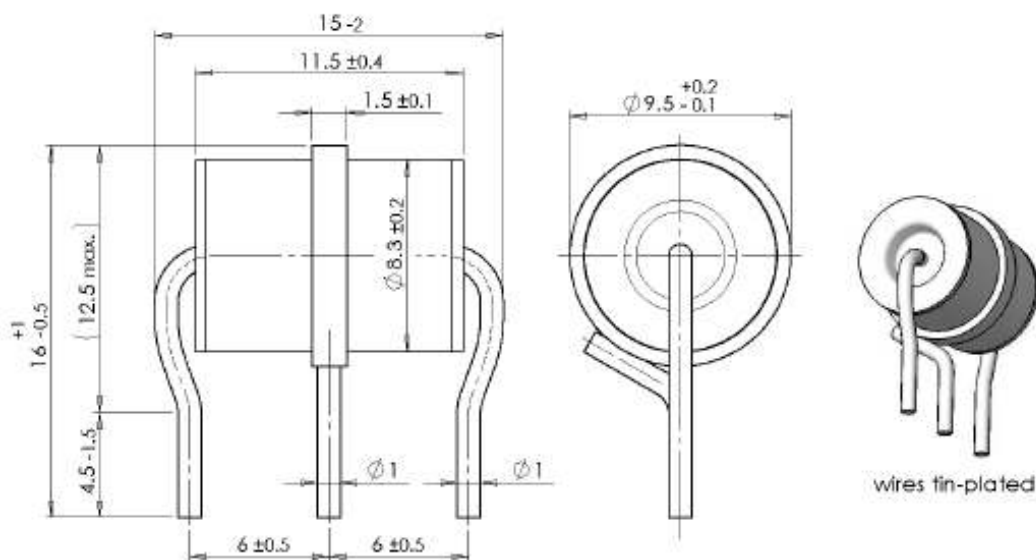


Remarks on next page

- 1) At delivery AQL 0.65 level II, DIN ISO 2859
- 2) In ionized mode
- 3) Tip or ring electrode to center electrode
- 4) Total current through center electrode, half value through tip respectively ring electrode.
- 5) Test according to ITU-T Rec. K.12

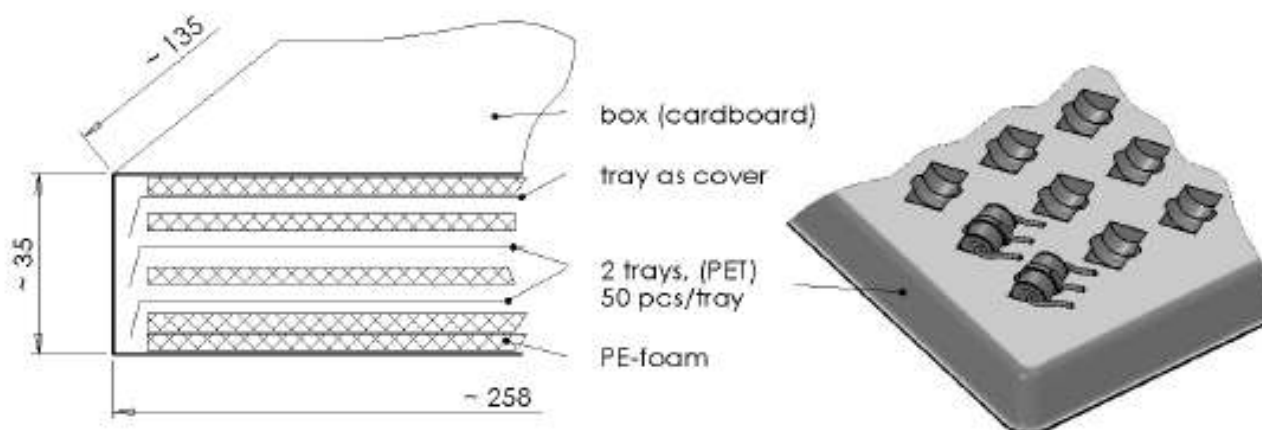
Terms in accordance with ITU-T Rec. K.12; IEC 61663-2 and IEC 61643-311.

### Dimensional drawing in mm



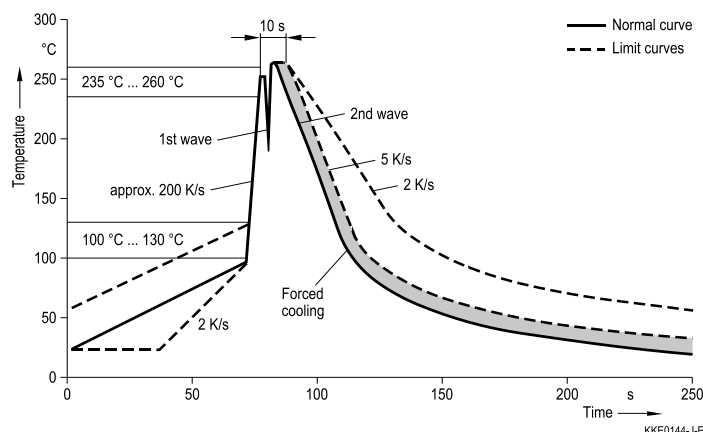
### Ordering codes and packing advices

B88069X7460B102 = 100 pcs. on trays



## Soldering parameter

### Wave soldering



| Wave profile features   | Pb-free assembly          |
|-------------------------|---------------------------|
| Solder                  | Sn 95.5 / Ag 3.8 / Cu 0.7 |
| Solder bath temperature | 263 (±3) °C               |
| Dwell time              | < 3 s                     |

Soldering profile applied to a single soldering process.

## Cautions and warnings

- Do not operate surge arresters in power supply networks, whose maximum operating voltage exceeds the minimum spark-over voltage of the surge arresters.
- If the contacts of the surge arresters are defective, current load can cause sparks and loud noises.
- Surge arresters may become hot in the event of longer periods of current stress (burn risk). In the event of overload the connectors may fail or the component may be destroyed.
- Surge arresters must be handled with care and must not be dropped.
- Do not continue to use damaged surge arresters.

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## Important notes

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