

# ANTREX Electronics

## Electronic Components Sourcing Information

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### Product Reference Information

**Part Number:** B88069X9391S102  
**Manufacturer:** TDK  
**Package:** Bulk  
**Availability:** Please confirm with sales

**Product Page:**

<https://antrexco.com/product/details/tdk/b88069x9391s102.html>

**Request a Quote:**

[Submit RFQ for this part](#)



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### Contact Information

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WhatsApp: +86-186-8066-5326

Website: <https://antrexco.com>

### 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

### 2-electrode arrester

|                       |                        |
|-----------------------|------------------------|
| <b>Series/Type:</b>   | <b>A71-H63XS</b>       |
| <b>Ordering code:</b> | <b>B88069X9391****</b> |
| <b>Date:</b>          | <b>2026-04-08</b>      |
| <b>Version:</b>       | <b>04</b>              |

## Surge arrester

B88069X9391\*\*\*\*

## 2-electrode arrester

A71-H63XS

### Features

- Standard size
- Fast response time
- Stable performance over life
- Very low capacitance
- High insulation resistance
- RoHS-compatible

### Applications

- Modem
- Power supply
- Consumer electronics

### Electrical specifications

|                                                                                                             |                                                                         |        |
|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|--------|
| DC spark-over voltage <sup>1) 2)</sup>                                                                      | 5350 ... 7560                                                           | V      |
| Impulse spark-over voltage<br>at 7.5 kV/μs - for 99% of measured values<br>- typical values of distribution | < 9000<br>< 7700                                                        | V<br>V |
| Service life<br>10 operations 8/20 μs                                                                       | 5                                                                       | kA     |
| Insulation resistance at 100 V <sub>DC</sub>                                                                | > 10                                                                    | GΩ     |
| Capacitance at 1 MHz                                                                                        | < 1                                                                     | pF     |
| Arc voltage at 1 A                                                                                          | ~ 20                                                                    | V      |
| Glow to arc transition current                                                                              | < 1                                                                     | A      |
| Glow voltage                                                                                                | ~ 180                                                                   | V      |
| Weight                                                                                                      | ~ 1.5                                                                   | g      |
| Operation and storage temperature                                                                           | -40 ... +125                                                            | °C     |
| Climatic category (IEC 60068-1)                                                                             | 40/125/21                                                               |        |
| Marking, green positive                                                                                     | <b>TDK 6300 YY</b><br>6300 - Nominal voltage<br>YY - Year of production |        |

<sup>1)</sup> At delivery AQL 0.65 level II, DIN ISO 2859

<sup>2)</sup> In ionized mode

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

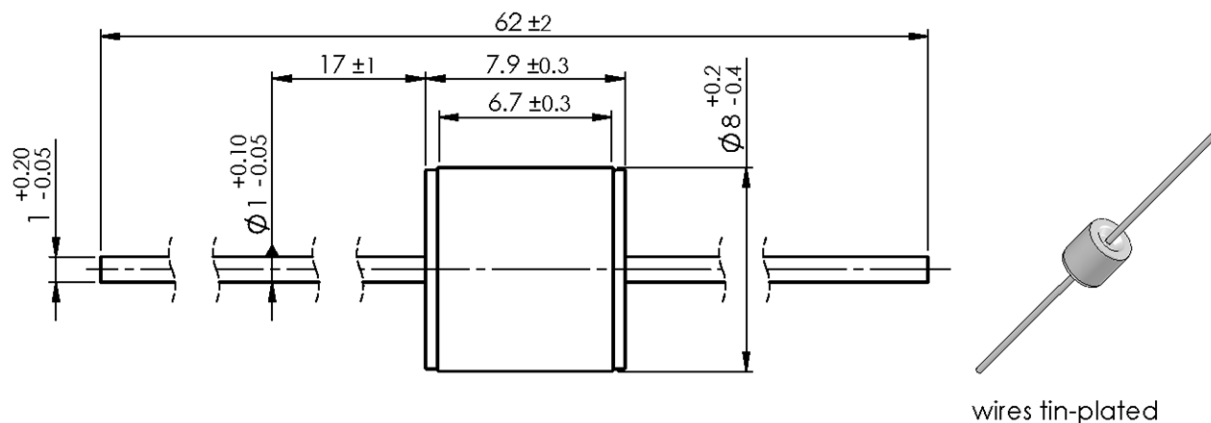
Surge arrester

B88069X9391\*\*\*\*

2-electrode arrester

A71-H63XS

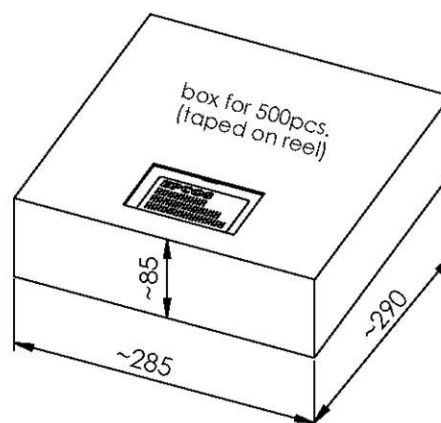
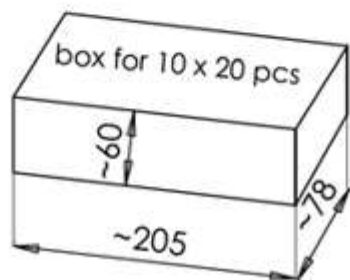
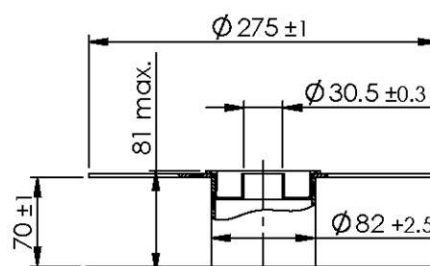
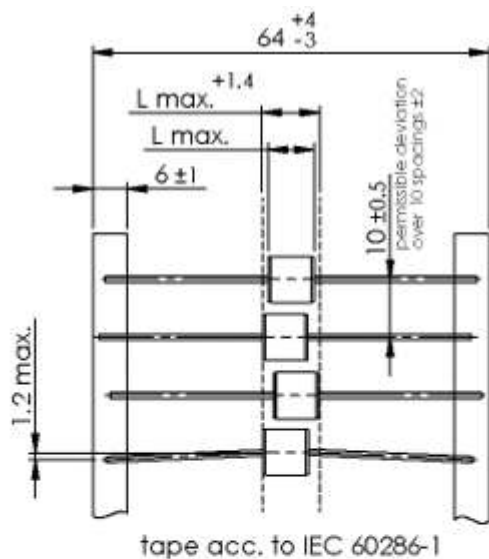
## Dimensional drawing in mm



## Ordering codes and packing advices

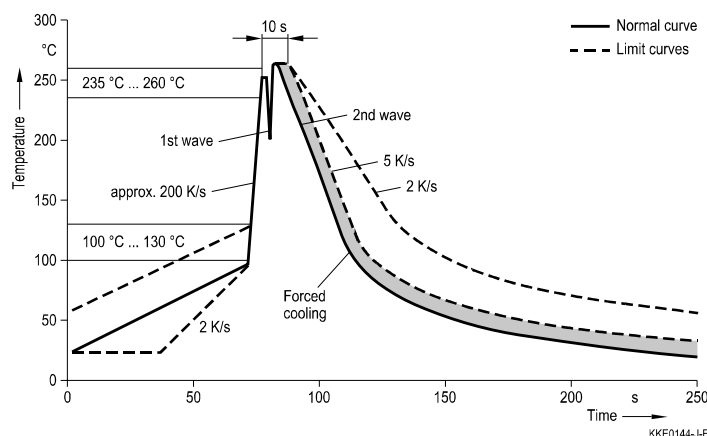
B88069X9391**S202** = 200 pcs. on 10 taped stripes

B88069X9391**T502** = 500 pcs. on tape & reel



## 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.
- 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.
- If the contacts of the surge arresters are defective, current load can cause sparks and loud noises.
- 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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