

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number:	B88069X5701T502
Manufacturer:	TDK
Package:	Tape & Reel (TR)
Availability:	Please confirm with sales

Product Page:

<https://antrexco.com/product/details/tdk/b88069x5701t502.html>

Request a Quote:

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Contact Information

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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

2-electrode arrester

Series/Type:	A81-A800XP
Ordering code:	B88069X5701****
Date:	2026-04-01
Version:	06

Surge arrester

B88069X5701****

2-electrode arrester

A81-A800XP

Features

- Very fast response time
- Stable performance over life
- High insulation resistance
- RoHS-compatible

Applications

- AC power line N-PE application
- Class II – surge protection

Electrical specifications

DC spark-over voltage ^{1) 2)}	> 600	V
Front of wave spark-over voltage - at 1.2/50 μ s, 6 kV; for 99% of measured values	< 1500	V
Breakdown time - typical values	< 100 < 20	ns ns
Insulation resistance at 100 V _{DC}	> 1	G Ω
Class II according to IEC 61643-11		
Max. continuous operating voltage at 50/60 Hz	U _c	265 V
Nominal discharge current 8/20 μ s	I _n	10 kA
Maximum discharge current 8/20 μ s	I _{max}	20 kA
Follow current at 50/60 Hz	I _f	100 A
Weight	~ 3	g
Operation and storage temperature	-40 ... +125	°C
Climatic category (IEC 60068-1)	40/125/21	
Marking, blue positive	TDK 800 YY 800 - Nominal voltage YY - Year of production	
Certifications	UL 1449 (E319264)	

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

²⁾ In darkness without storage

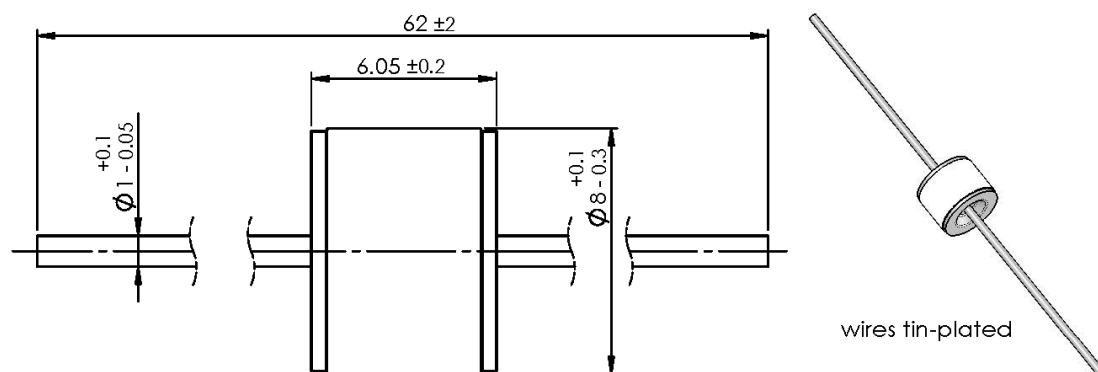
Surge arrester

B88069X5701****

2-electrode arrester

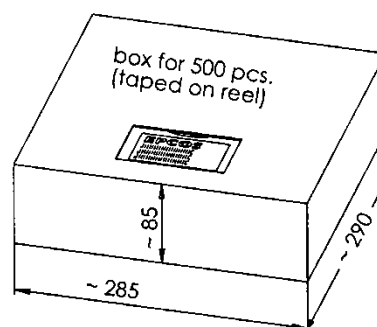
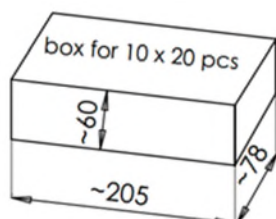
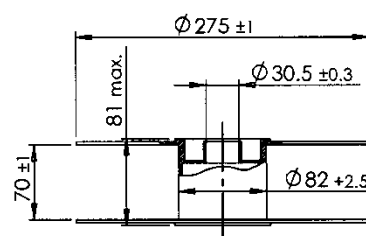
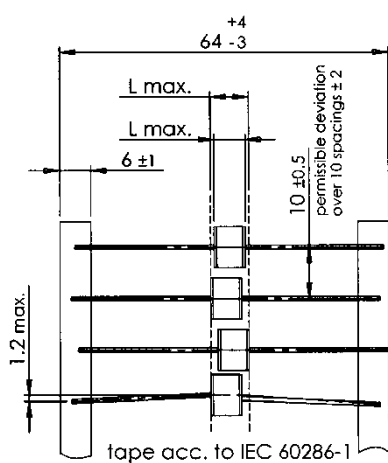
A81-A800XP

Dimensional drawing in mm



Ordering codes and packing advices

B88069X5701S202 = 200 pcs. on 10 taped stripes B88069X5701T502 = 500 pcs. on tape & reel



Cautions and warnings

- The follow current must be limited (see values on page 2) so that the arrester can be properly extinguished when the surge has decayed. The arrester might otherwise heat up and ignite adjacent components.
- 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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Release 2024-02