

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number: B88069X6471B502
Manufacturer: TDK
Package: Tray
Availability: Please confirm with sales

Product Page:

<https://antrexco.com/product/details/tdk/b88069x6471b502.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

2-electrode arrester

Series/Type:	A80-A500XTP
Ordering code:	B88069X6471B502
Date:	2026-04-01
Version:	04

Surge arrester

B88069X6471B502

2-electrode arrester

A80-A500XTP

Features

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

Applications

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

Electrical specifications

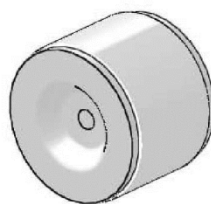
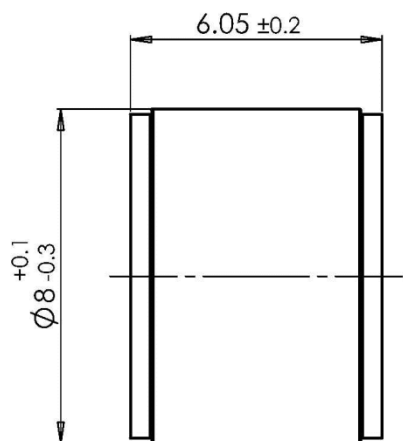
DC spark-over voltage ^{1) 2)}	500	V
Tolerance	±20	%
Min.	400	V
Max.	600	V
Impulse spark-over voltage		
at 100 V/μs - for 99% of measured values	< 1000	V
- typical values of distribution	< 900	V
at 1 kV/μs - for 99% of measured values	< 1100	V
- typical values of distribution	< 1000	V
Service life		
10 operations 50 Hz, 1 s	20	A
1 operation 50 Hz; 0.18 s (9 cycles)	100	A
10 operations 8/20 μs	20	kA
1 operation 8/20 μs	25	kA
1 operation 10/350 μs	2.5	kA
Insulation resistance at 100 V _{DC}	> 10	GΩ
Capacitance at 1 MHz	< 1.5	pF
Arc voltage at 1 A	~ 10	V
Glow to arc transition current	< 0.5	A
Glow voltage	~ 60	V
Weight	~ 1.5	g
Operation and storage temperature	-40 ... +125	°C
Climatic category (IEC 60068-1)	40/125/21	
Marking, blue negative	TDK 500 YY 500 - Nominal voltage YY - Year of production	
Certification	UL 497B (E163070)	

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

²⁾ In ionized mode

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

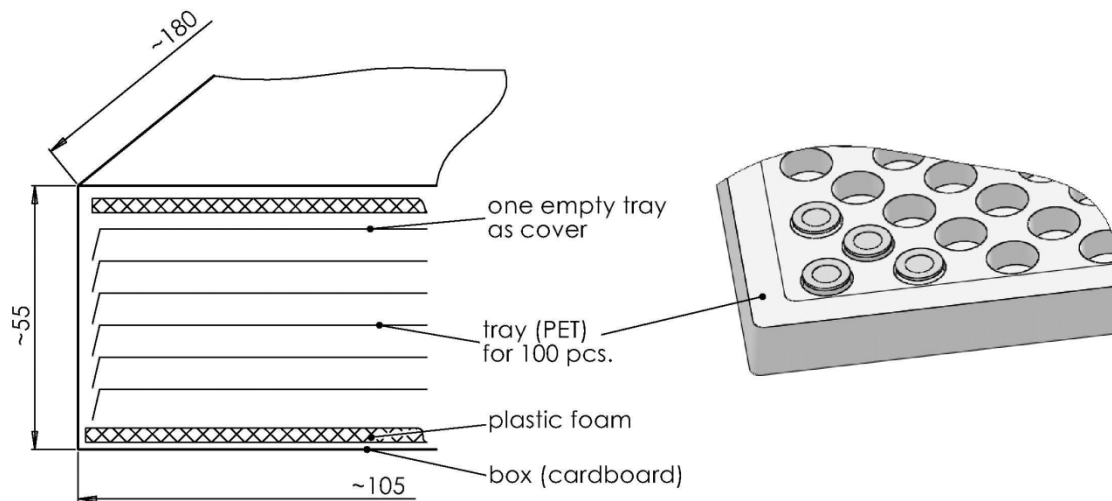
Dimensional drawing in mm



tin-plated

Ordering codes and packing advices

B88069X6471**B502** = 500 pcs. on trays



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.
- 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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