

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number: B88069X7450C502
Manufacturer: TDK
Package: Bulk
Availability: Please confirm with sales

Product Page:

<https://antrexco.com/product/details/tdk/b88069x7450c502.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

Series/Type:	T60-C350X
Ordering code:	B88069X7450****
Date:	2026-04-01
Version:	04

Surge arrester

B88069X7450****

3-electrode arrester

T60-C350X

Features

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

Applications

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

Electrical specifications

DC spark-over voltage ^{1) 2) 3)}		350	V
Tolerance		-15/+43	%
Min.		300	V
Max.		500	V
Impulse spark-over voltage ³⁾			
at 100 V/μs	- for 99% of measured values	< 800	V
	- typical values of distribution	< 770	V
	- for 99% of measured values	< 900	V
	- typical values of distribution	< 870	V
Service life			
10 operations	50 Hz; 1 s ⁴⁾	20	A
1 operation	50 Hz; 0.18 s (9 cycl.) ⁴⁾	130	A
10 operations [5× (+) & 5× (-)]	8/20 μs ⁴⁾	20	kA
1 operation	8/20 μs ⁴⁾	30	kA
1 operation	10/350 μs ⁴⁾	5	kA
Insulation resistance at 100 V _{DC} ³⁾		> 10	GΩ
Capacitance at 1 MHz ³⁾		< 1.5	pF
Transverse delay time ⁵⁾		< 0.2	μs
Arc voltage at 1 A		~ 35	V
Glow to arc transition current		< 1	A
Glow voltage		~ 200	V
Weight		~ 3	g
Operation and storage temperature		-40 ... +125	°C
Climatic category (IEC 60068-1)		40/125/21	
Marking, blue negative		TDK 350 YY 350 - Nominal voltage YY - Year of production	

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Surge arrester

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3-electrode arrester

T60-C350X

Certifications

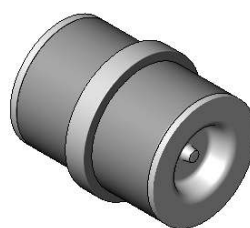
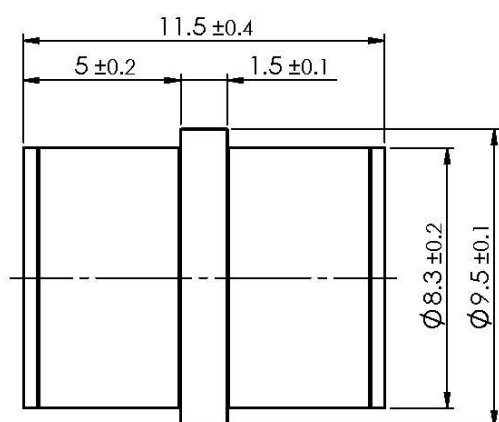
UL 497B (E163070)



- 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.

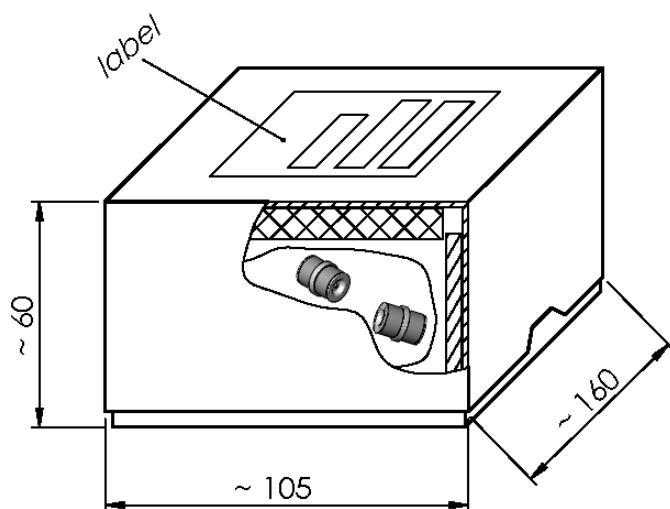
Dimensional drawing in mm



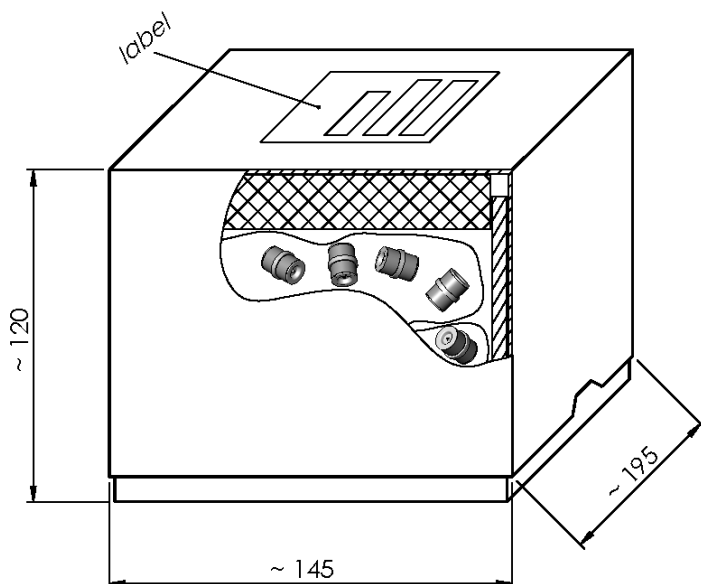
nickel-plated

Ordering codes and packing advices

B88069X7450**C502** = 500 pcs. in container (1 PE-bag á 500 pcs.)



B88069X7450C203 = 2000 pcs. in container (2 PE-bags á 1000 pcs.)



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.

Display of ordering codes for TDK Electronics products

The ordering code for one and the same product can be represented differently in data sheets, data books, other publications, on the company website, or in order-related documents such as shipping notes, order confirmations and product labels. **The varying representations of the ordering codes are due to different processes employed and do not affect the specifications of the respective products.** Detailed information can be found on the Internet under www.tdk-electronics.tdk.com/orderingcodes.

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2. We also point out that **in individual cases, a malfunction of electronic components or failure before the end of their usual service life cannot be completely ruled out in the current state of the art, even if they are operated as specified**. In customer applications requiring a very high level of operational safety and especially in customer applications in which the malfunction or failure of an electronic component could endanger human life or health (e.g. in accident prevention or life-saving systems), it must therefore be ensured by means of suitable design of the customer application or other action taken by the customer (e.g. installation of protective circuitry or redundancy) that no injury or damage is sustained by third parties in the event of malfunction or failure of an electronic component.
3. **The warnings, cautions and product-specific notes must be observed.**
4. In order to satisfy certain technical requirements, **some of the products described in this publication may contain substances subject to restrictions in certain jurisdictions (e.g. because they are classed as hazardous)**. Useful information on this will be found in our Material Data Sheets on the Internet (www.tdk-electronics.tdk.com/material). Should you have any more detailed questions, please contact our sales offices.
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Important notes

8. The trade names EPCOS, CarXield, CeraCharge, CeraDiode, CeraLink, CeraPad, CeraPlas, CSMP, CTVS, DeltaCap, DigiSiMic, FilterCap, FormFit, InsuGate, LeaXield, MediPlas, MiniBlue, MiniCell, MKD, MKK, ModCap, MotorCap, PCC, PhaseCap, PhaseCube, PhaseMod, PhiCap, PiezoBrush, PlasmaBrush, PowerHap, PQSine, PQvar, SIFERRIT, SIFI, SIKOREL, SilverCap, SIMDAD, SiMic, SIMID, SineFormer, SIOV, SurfIND, ThermoFuse, WindCap, XieldCap are **trademarks registered or pending** in Europe and in other countries. Further information will be found on the Internet at www.tdk-electronics.tdk.com/trademarks.

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