

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number: B88069X4951C253

Manufacturer: TDK

Package: Bulk

Availability: Please confirm with sales

Product Page:

<https://antrexco.com/product/details/tdk/b88069x4951c253.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:	ES350XN
Ordering code:	B88069X4951****
Date:	2026-04-01
Version:	04

Surge arrester

B88069X4951****

2-electrode arrester

ES350XN

Features

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

Applications

- Modem
- XDSL-splitter
- Tuner

Electrical specifications

DC spark-over voltage ^{1) 2)}	350	V
Tolerance	±15	%
Min.	298	V
Max.	402	V
Impulse spark-over voltage		
at 100 V/μs - for 99% of measured values	< 530	V
- typical values of distribution	< 450	V
at 1 kV/μs - for 99% of measured values	< 600	V
- typical values of distribution	< 530	V
Service life		
10 operations 8/20 μs	2.5	kA
1 operation 8/20 μs	5	kA
Insulation resistance at 100 V _{DC}	> 1	GΩ
Capacitance at 1 MHz	< 1	pF
Arc voltage at 1 A	~ 15	V
Glow to arc transition current	< 0.5	A
Glow voltage	~ 130	V
Weight	~ 0.3	g
Operation and storage temperature	-40 ... +125	°C
Climatic category (IEC 60068-1)	40/125/21	
Marking, red positive	TDK ES 350 YY ES - Series 350 - 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; IEC 61643-311.

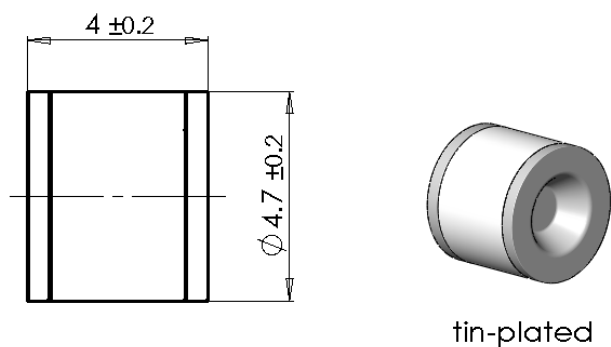
Surge arrester

B88069X4951****

2-electrode arrester

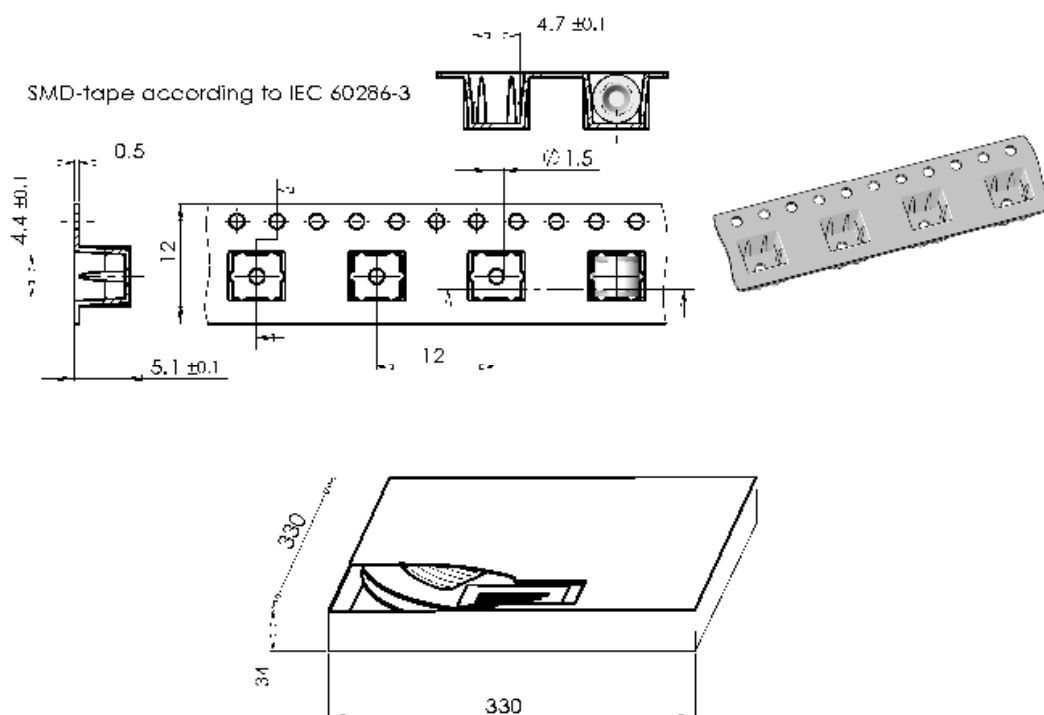
ES350XN

Dimensional drawing in mm

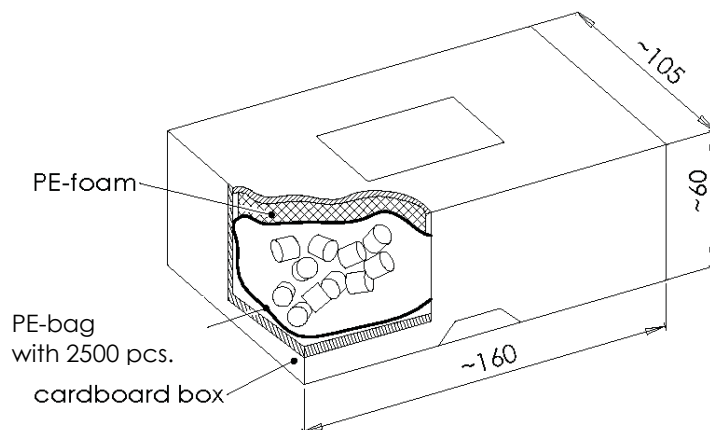


Ordering codes and packing advices

B88069X4951T103 = 1000 pcs. on SMD-tape & reel



B88069X4951C253 = 2500 pcs. on container



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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