

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number: B88069X5473B202
Manufacturer: TDK
Package: Tray
Availability: Please confirm with sales

Product Page:

<https://antrexco.com/product/details/tdk/b88069x5473b202.html>

Request a Quote:

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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:	D30L3-A800PD
Ordering code:	B88069X5473B202
Date:	2018-12-25
Version:	01

Surge arrester

B88069X5473B202

2-electrode arrester

D30L3-A800PD

Features

- Stable performance over life
- High insulation resistance
- RoHS-compatible

Applications

- AC power line devices – class I and class II

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 I ³⁾			
Max. continuous operating voltage at 50/60 Hz	U _c	275	V
Nominal discharge current 8/20 μ s	I _n	30	kA
Maximum discharge current 10/350 μ s	I _{Imp}	25	kA
Class II ³⁾			
Max. continuous operating voltage at 50/60 Hz	U _c	275	V
Nominal discharge current 8/20 μ s	I _n	30	kA
Maximum discharge current 8/20 μ s	I _{max}	40	kA
Weight		~ 8	g
Operation and storage temperature		-40 ... +125	°C
Climatic category (IEC 60068-1)		40/125/21	
Marking		without	

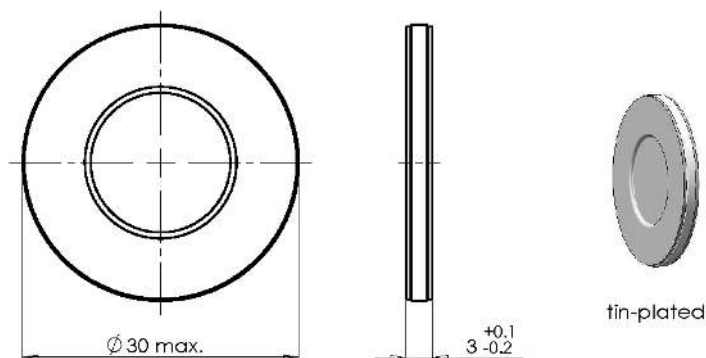
¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859

²⁾ In ionized mode

³⁾ Test sequence in accordance with IEC 61643-11.

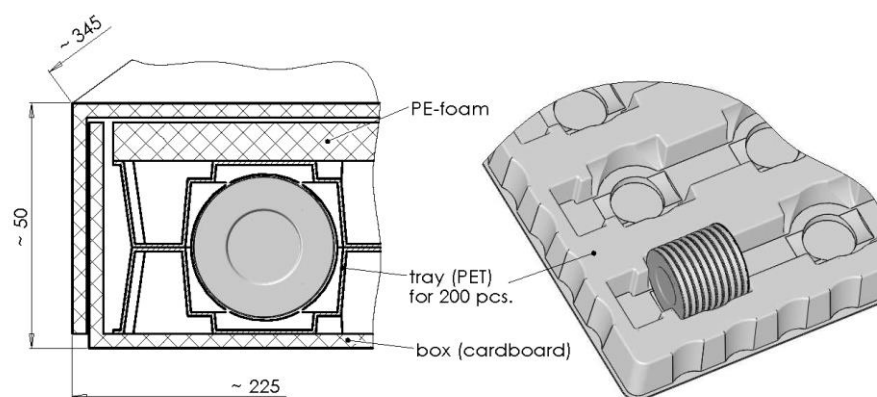
Follow current has to be avoided by an appropriate external circuit (e.g. varistor in series).

Dimensional drawing in mm



Ordering code and packing advice

B88069X5473B202 = 200 pcs. in 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.
- 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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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.**
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Important notes

8. The trade names EPCOS, CeraCharge, CeraDiode, CeraLink, CeraPad, CeraPlas, CSMP, CTVS, DeltaCap, DigiSiMic, ExoCore, FilterCap, FormFit, LeaXield, MiniBlue, MiniCell, MKD, MKK, MotorCap, PCC, PhaseCap, PhaseCube, PhaseMod, PhiCap, PowerHap, PQSine, PQvar, SIFERRIT, SIFI, SIKOREL, SilverCap, SIMDAD, SiMic, SIMID, SineFormer, SIOV, ThermoFuse, WindCap 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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