ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number:	B88069X380S102
Manufacturer:	TDK
Package:	Strip
Availability:	Please confirm with sales

Product Page:

https://antrexco.com/product/details/tdk/b88069x380s102.html

Request a Quote:

Submit RFQ for this part

Scan for product page

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: **EM300X**
Ordering code: **B88069X0380 ****

Version/Date: Issue 05 / 2010-05-21

Features

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

Applications

- AC power line devices
- Consumer electronics
- Power supply

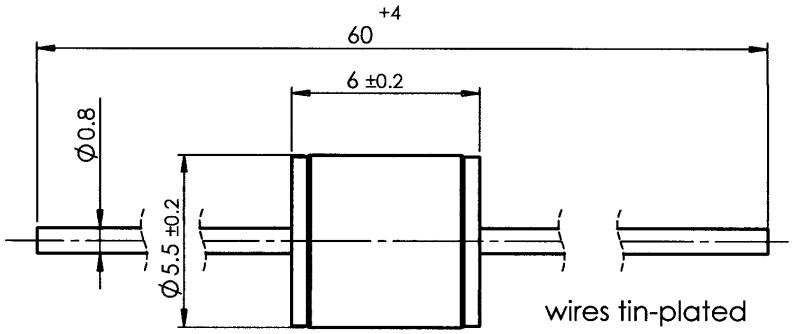
Electrical specifications

DC spark-over voltage [1) 2)]	270 ...345	V
Impulse spark-over voltage		
at 100 V/µs - for 99 % of measured values	< 500	V
- typical values of distribution	< 450	V
at 1 kV/µs - for 99 % of measured values	< 600	V
- typical values of distribution	< 550	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	~ 11	V
Glow to arc transition current	~ 0.5	A
Glow voltage	~ 130	V
Weight	~ 1	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/21	
Marking, red positive	**EPCOS EM 300 YY O** EM - Series 300 - Nominal voltage YY - Year of production O - Non radioactive	

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 DIN 57845/VDE0845

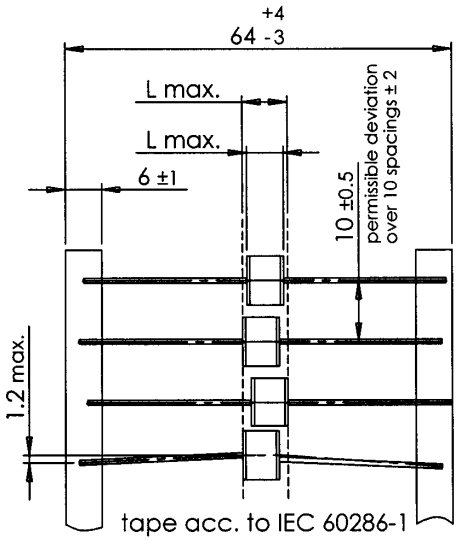
Dimensional drawing in mm

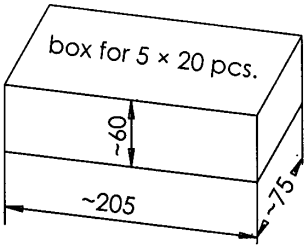


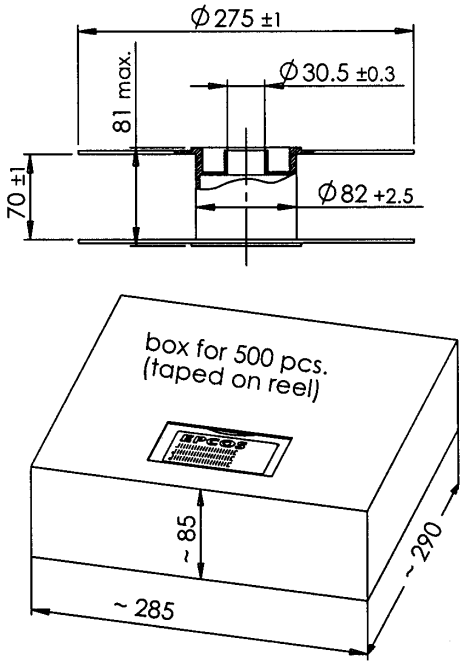
Ordering codes and packing advices

B88069X0380**S102** = 100 pcs on 5 taped stripes

B88069X0380**T502** = 500 pcs on tape and reel







Cautions and warnings

- Surge arresters must not be operated directly in power supply networks.
- Surge arresters may become hot in case of longer periods of current stress (danger of burning).
- Surge arresters may be used only within their specified values. In case of overload, the head contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.

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