



Surge arrester

2-electrode arrester

Series/Type:	S30-A420X
Ordering code:	B88069X9311T203
Version/Date:	Issue 02 / 2013-09-17

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Features

- Extremely small size
- Fast response time
- Stable performance over life
- Very low capacitance
- High insulation resistance
- Excellent SMD handling
- RoHS-compatible

Applications

- PCI cards
- Modem
- Splitter
- Line cards
- Applications with limited space

Electrical specifications

DC spark-over voltage ^{1) 2)}	420 ± 25	V %
Impulse spark-over voltage at 100 V/μs - for 99% of measured values - typical values of distribution at 1 kV/μs - for 99% of measured values - typical values of distribution	< 800 < 700 < 1000 < 850	V V V V
Service life ³⁾ 10 operations 50 Hz, 1 s 300 operations 8/20 μs 10 operations [5x (+) & 5x (-)] 8/20 μs 100 operations [50x (+) & 50x (-)] 10/1000 μs	2.5 100 2 10	A A kA A
Insulation resistance at 100 V _{DC}	> 1	GΩ
Capacitance at 1 MHz	< 0.8	pF
Arc voltage at 1 A Glow to arc transition current Glow voltage	~ 10 < 0.4 ~ 55	V A V
Weight	~ 0.2	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, black positive	▲LY L - Nominal voltage (L ≧ 420 V) Y - Year of production (last digit)	

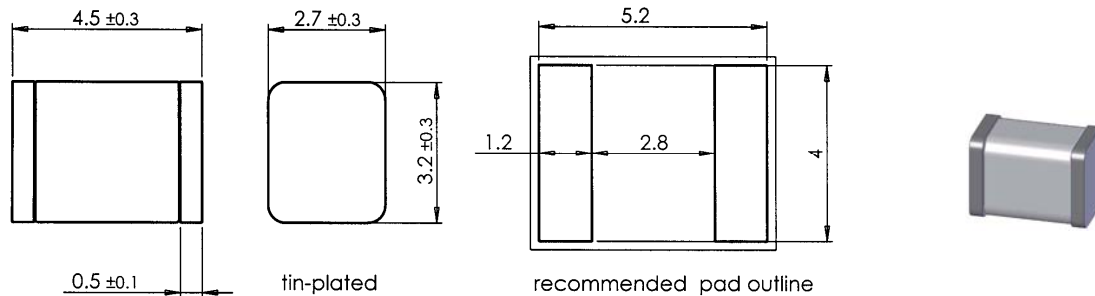
¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859

²⁾ In ionized mode

³⁾ Tests according to ITU-T Rec. K. 12 and UL 497B

Terms and current waveforms in accordance with: ITU-T Rec. K. 12; IEC 61643-21, IEC 61643-311 and IEC 61663-2.

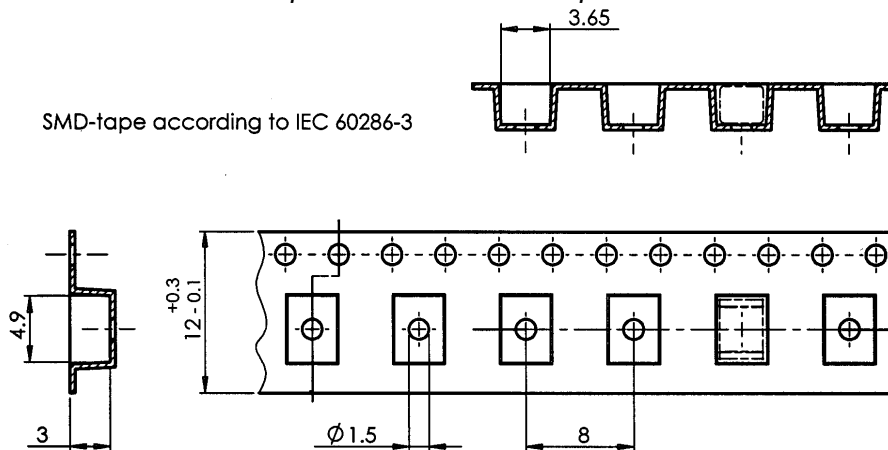
Dimensional drawing in mm



Ordering code and packing advice

B88069X9311T203 = tape and reel with 2000 pcs

SMD-tape according to IEC 60286-3



Cautions and warnings

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

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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.
5. We constantly strive to improve our products. Consequently, **the products described in this publication may change from time to time**. The same is true of the corresponding product specifications. Please check therefore to what extent product descriptions and specifications contained in this publication are still applicable before or when you place an order.

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- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



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