Surge arrester

2-electrode arrester

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

EPCOS AG is a TDK Group Company.

Surge arrester — B88069X9311T203

2-electrode arrester — S30-A420X

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

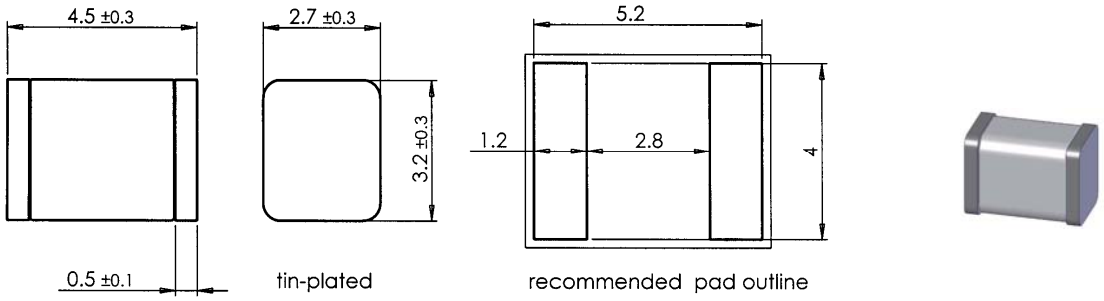
Electrical specifications

DC spark-over voltage [1) 2)]		420 ± 25	V %
Impulse spark-over voltage			
at 100 V/µs	- for 99% of measured values	< 800	V
	- typical values of distribution	< 700	V
at 1 kV/µs	- for 99% of measured values	< 1000	V
	- typical values of distribution	< 850	V
Service life [3)]			
10 operations	50 Hz, 1 s	2.5	A
300 operations	8/20 µs	100	A
10 operations [5x (+) & 5x (-)]	8/20 µs	2	kA
100 operations [50x (+) & 50x (-)]	10/1000 µs	10	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

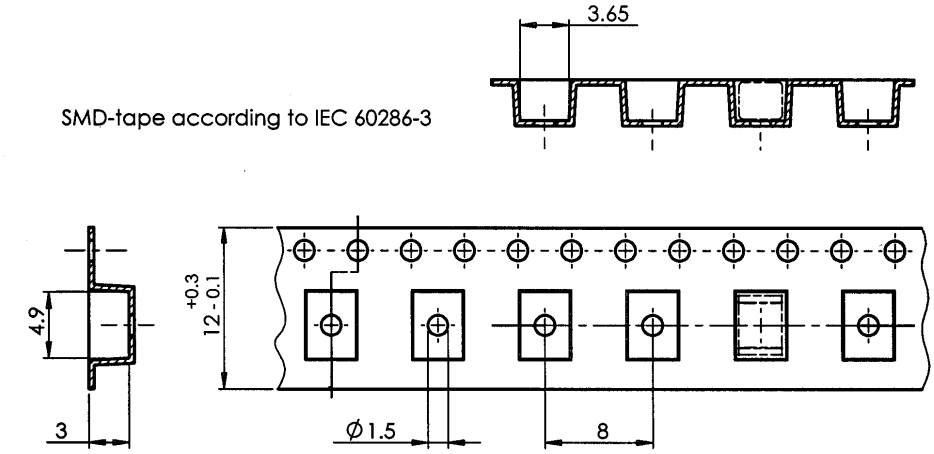
Terms and current waveforms in accordance with: ITU-T Rec. K. 12; IEC 61643-21, IEC 61643-311 and IEC 61663-2.

Dimensional drawing in mm



Ordering code and packing advice

*B88069X9311**T203** = tape and reel with 2000 pcs*



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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