Surge arrester

2-electrode arrester

Series/Type: **S30-A150X**
Ordering code: **B88069X6071T203**
Version/Date: Issue 04 / 2007-10-09

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Features	Applications
▪ Extremely small size ▪ Very fast response time ▪ Stable performance over life ▪ Very low capacitance ▪ High insulation resistance ▪ Excellent SMD handling ▪ RoHS-compatible	▪ PCI cards ▪ Modem ▪ Splitter ▪ Line cards ▪ Applications with limited space

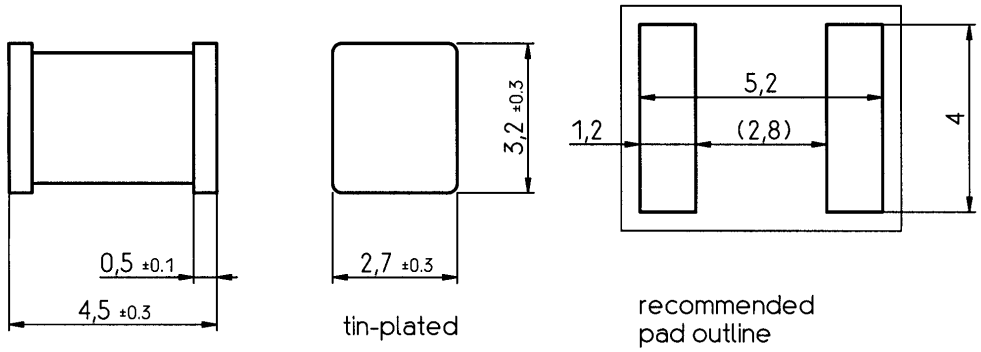
Electrical specifications

DC spark-over voltage [1) 2)]			150 ± 30	V %
Impulse spark-over voltage at 100 V/µs at 1 kV/µs			 < 500 < 600	 V V
Service life [3) 4)]				
10 operations		50 Hz, 1 s	2	A
100 operations		8/20 µs	100	A
10 operations	[5x (+) & 5x (-)]	8/20 µs	2	kA
100 operations	[50x (+) & 50x (-)]	10/1000µs	10	A
Insulation resistance at 50 V_{dc}			> 1	GΩ
Capacitance at 1 MHz			< 1	pF
Arc voltage at 1 A Glow to arc transition current Glow voltage			~ 10 < 1.0 ~ 60	V A V
Weight			~ 0.2	g
Operation and storage temperature			-40 ... +90	°C
Climatic category (IEC 60068-1)			40/ 90/ 21	
Marking, without				

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
4) After service life:
Impulse spark-over voltage at 1 kV/µs < 700 V

Terms and current waveforms in accordance with:
ITU-T Rec. K. 12; IEC 61643-21 and DIN 57845 / VDE0845

Dimensional drawing



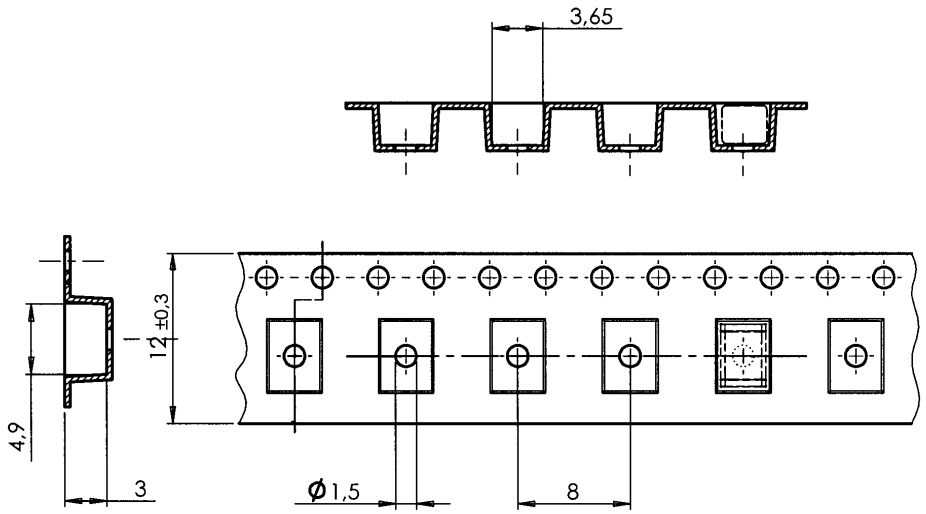
Not to scale

Dimensions in mm

Non controlled document

Packing advice

T203 = tape and reel with 2000 pcs
Tape and reel packing comply with the specification of IEC 60286-3



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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