Surge arrester

2-electrode arrester

Series/Type: **S30-A200X**
Ordering code: **B88069X9171T203**
Version/Date: Issue 01 / 2010-02-08

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

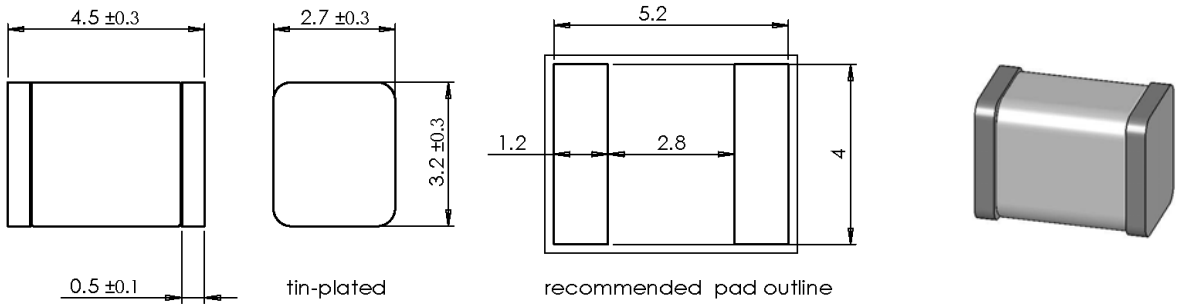
Electrical specifications

DC spark-over voltage [1) 2)]		200 ± 20	V %
Impulse spark-over voltage			
at 100 V/µs	- for 99 % of measured values	< 550	V
	- typical values of distribution	< 450	V
at 1 kV/µs	- for 99 % of measured values	< 700	V
	- typical values of distribution	< 600	V
Service life [3)]			
10 operations	50 Hz, 1 s	2.5	A
10 operations [5x (+) & 5x (-)]	8/20 µs	1	kA
100 operations [50x (+) & 50x (-)]	10/1000 µs	10	A
Insulation resistance at 100 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

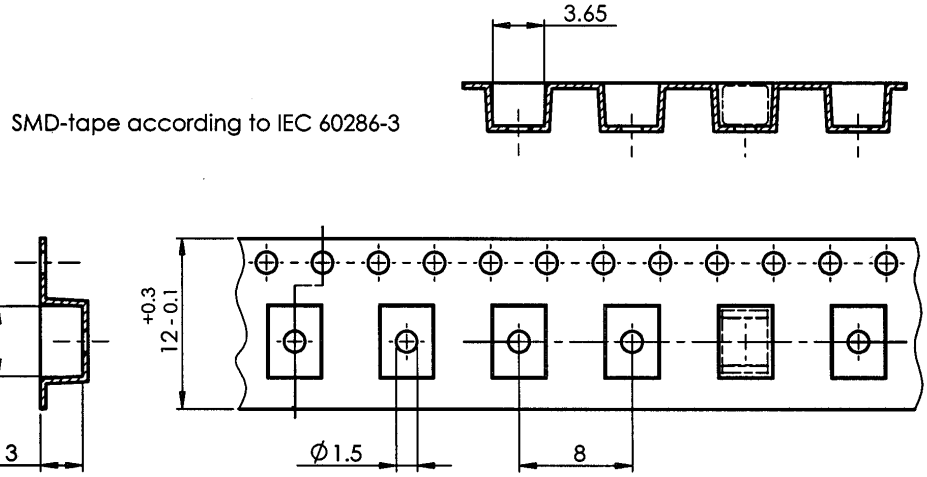
Terms and current waveforms in accordance with: ITU-T Rec. K. 12; IEC 61643-21 and DIN 57845 / VDE0845

Dimensional drawing in mm



Ordering code and packing advice

*B88069X9171**T203** = 2000 pcs on SMD tape*



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 head contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.

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