



Surge arrester

2-electrode arrester

Series/Type: S30-A230X
Ordering code: B88069X5941T203
Version/Date: Issue 05 / 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

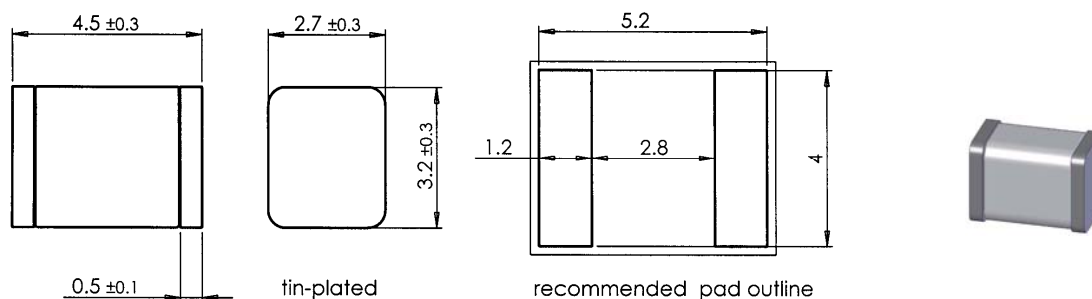
DC spark-over voltage ^{1) 2)}	230 ± 25	V %
Impulse spark-over voltage		
at 100 V/μs - for 99% of measured values	< 650	V
- typical values of distribution	< 550	V
at 1 kV/μs - for 99% of measured values	< 800	V
- typical values of distribution	< 700	V
Service life ³⁾		
10 operations 50 Hz, 1 s	2	A
100 operations 8/20 μs	100	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	< 0.8	pF
Arc voltage at 1 A	~ 8	V
Glow to arc transition current	< 0.7	A
Glow voltage	~ 55	V
Weight	~ 0.2	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, black positive	▲FY F - Nominal voltage (F ≙ 230 V) Y - Year of production (last digit)	

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

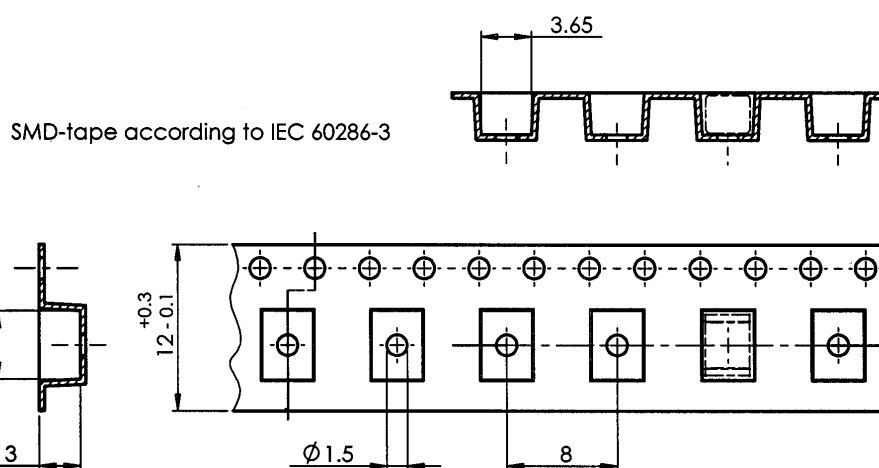
²⁾ In ionized mode

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

B88069X5941T203 = 2000 pcs. on SMD-tape and reel


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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