

Surge arrester

2-electrode arrester

Series/Type: S30-A90X

Ordering code: B88069X9231T203

Version/Date: Issue 01 / 2010-03-23

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Surge arrester B88069X9231T203

2-electrode arrester

S30-A90X

Features

- Extremely small size
- Very 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)		90	V
		± 30	%
Impulse spark-over voltage			
at 100 V/µs - for 99 % of measured values		< 500	V
- typical values o	of distribution	< 400	V
at 1 kV/µs - for 99 % of measured values - typical values of distribution		< 600	V
		< 500	V
Service life 3) 4)			
10 operations	50 Hz, 1 s	2	Α
100 operations	8/20 µs	100	Α
10 operations [5x (+) & 5x (-)] 8/20 μs		2	kA
100 operations [50x (+) & 50x (-	-)] 10/1000 μs	10	А
Insulation resistance at 50 V _{DC}		> 1	GΩ
Capacitance at 1 MHz		< 1	pF
Arc voltage at 1 A		~ 10	V
Glow to arc transition current		< 1.0	Α
Glow voltage		~ 60	V
Weight		~ 0.2	g
Operation and storage temperature		-40 +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	
Marking		without	

At delivery AQL 0.65 level II, DIN ISO 2859

Impulse spark-over voltage at 1 kV/ μ s < 700 V

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

PPD PD AB PD / PPD PD AB PM

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²⁾ In ionized mode

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

After service life:

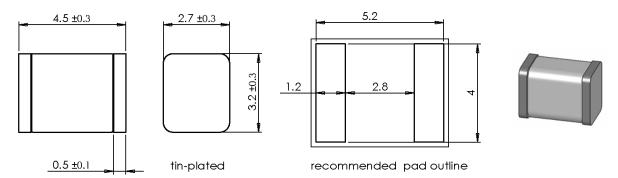


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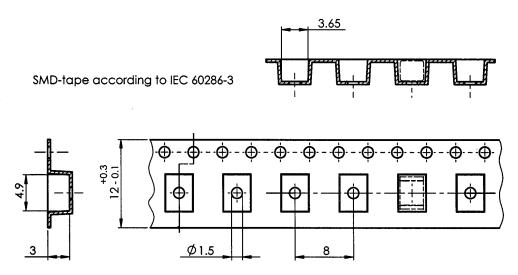
S30-A90X

Dimensional drawing in mm



Ordering code and packing advice

B88069X9231**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 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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