

Surge arrester

2-electrode arrester

Series/Type: S30-A230X Ordering code: B88069X59

Ordering code: B88069X5941T203

Version/Date: Issue 05 / 2013-09-17

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Surge arrester B88069X5941T203

2-electrode arrester S30-A230X

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	V
		± 25	%
Impulse spark-over v	oltage		
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 operatio	ns 50 Hz, 1 s	2	Α
100 operatio	ns 8/20 µs	100	Α
10 operations [5x (+) & 5x (-)] 8/20 μs		1	kA
100 operations [50x (+) & 50x (-)] 10/1000 μs		10	А
Insulation resistance at 100 V _{DC}		> 1	$G\Omega$
Capacitance at 1 MHz		< 0.8	pF
Arc voltage at 1 A		~ 8	V
Glow to arc transition current		< 0.7	Α
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

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

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²⁾ In ionized mode

³⁾ Tests according to ITU-T Rec. K. 12 and UL 497B

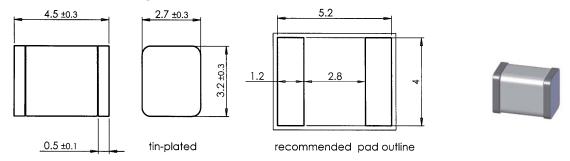


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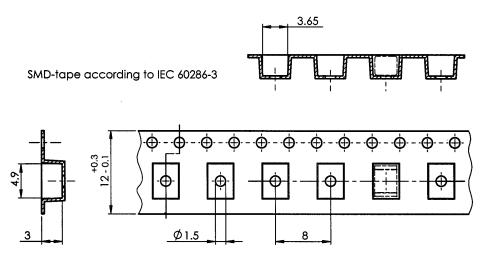
S30-A230X

Dimensional drawing in mm



Ordering code and packing advice

B88069X5941**T203** = 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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