

# Surge arrester

2-electrode arrester

S30-A200X

Series/Type: Ordering code: B88069X9171T203

Version/Date: Issue 01 / 2010-02-08



Surge arrester B88069X9171T203

## 2-electrode arrester \$30-A200X

#### **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**

·			T	T.,
DC spark-over voltage 1) 2)			200	V
			± 20	%
Impulse spark-over voltage				
at 100 V/µs - for 99 % of measured value		d values	< 550	V
	<ul> <li>typical values of distribution</li> </ul>		< 450	V
at 1 kV/µs	- for 99 % of measured values		< 700	V
•	<ul> <li>typical values of distribution</li> </ul>		< 600	V
Service life 3)				
10 operations 50 Hz, 1 s			2.5	Α
10 operations [5x (+) & 5x (-)] 8/20 μs			1	kA
100 operations [50x (+) & 50x (-)] 10/1000 μs			10	Α
Insulation resistance at 100 V <sub>dc</sub>			> 1	$G\Omega$
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				

<sup>1)</sup> At delivery AQL 0.65 level II, DIN ISO 2859

<sup>2)</sup> In ionized mode

<sup>3)</sup> 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

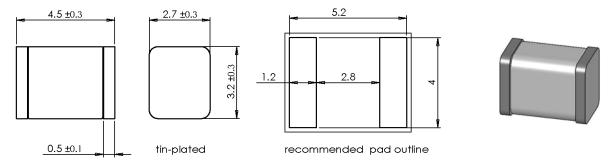


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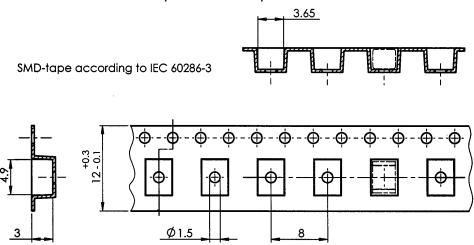
S30-A200X

### 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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