

Surge arrester

2-electrode arrester

Series/Type:G30-A90XSMDOrdering code:B88069X9451T203Version/Date:Issue 02 / 2010-11-15

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Surge arrester

2-electrode arrester

B88069X9451T203 G30-A90XSMD

Features

- Extremely small size
- Very fast response time
- Stable performance over life
- Very low capacitance
- High insulation resistance
- Excellent SMD handling
- **RoHS-compatible**

Electrical specifications

Applications

- **ESD** protection
- Applications with limited space

DC spark-over voltage ^{1) 2)}	90	V	
	± 20	%	
Impulse spark-over voltage			
at 100 V/µs - for 99 % of measured value - typical values of distributio		V V	
at 1 kV/µs - for 99 % of measured valu - typical values of distributio		V V	
Service life ³⁾			
10 operations [5x (+) & 5x (–)] 8/20 μs	1	kA	
1 operation 8/20 µs	2	kA	
300 operations 8/20 µs	100	А	
Insulation resistance at 50 V_{DC}	> 1	GΩ	
Capacitance at 1 MHz	< 0.5	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	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

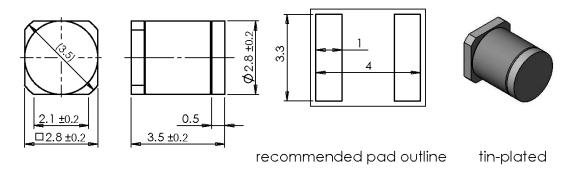
Terms and current waveforms in accordance with ITU-T Rec. K. 12; IEC 61643-21 and DIN 57845 / VDE0845



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Dimensional drawing in mm



Ordering code and packing advice

B88069X9451**T203** = 2000 pcs on SMD-tape and reel

SMD-tape according to IEC 60286-3 1.75 (0.4) 1.5 ÷ Æ Æ Ŧ Ś ഹ 2 9.9 8 3.2 1.5 3.2

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 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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