

Surge arrester

2-electrode arrester

 Series/Type:
 G30-A90XSMD

 Ordering code:
 B88069X9451T203

 Version/Date:
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B88069X9451T203 Surge arrester

2-electrode arrester **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

Applications

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

Electrical specifications

			1	1
DC spark-over voltage 1) 2)			90	V
			± 20	%
Impulse spark-over voltage				
at 100 V/µs - for 99 % of measured values			< 400	V
·	- typical values of	distribution	< 300	V
at 1 kV/µs	- for 99 % of measured values		< 700	V
	- typical values of distribution		< 600	V
Service life 3)				
300 operations		8/20 µs	100	Α
10 operations [5x (+) & 5x (-)] 8/20 μs			1	kA
1 operation 8/20 µs			2	kA
200 operatio	ns (discharge)	1500 pF; 10 kV; 0 Ω	1.5 × 10 ⁻⁵	As
Insulation resistance at 50 V _{DC}			> 1	$G\Omega$
Capacitance at 1 MHz			< 0.5	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	

¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859 2) In ionized mode

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

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

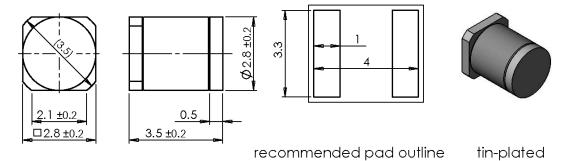


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Dimensional drawing in mm



Ordering code and packing advice

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

SMD-tape according to IEC 60286-3

1.5

1.5

2

4

4

4

5

1.5

8

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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