Surge arrester

3-electrode arrester

Series/Type: **T30-H11XSMD**
Ordering code: **B88069X7931T702**
Version/Date: Issue 02 / 2011-02-07

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Surge arrester **B88069X7931T702**

3-electrode arrester **T30-H11XSMD**

Features

- Very small size
- Extremely fast response time
- High current rating
- Stable performance over life
- Extremely low capacitance
- High insulation resistance
- RoHS-compatible

Applications

- Line protection
- Balanced DSL protection

Electrical specifications

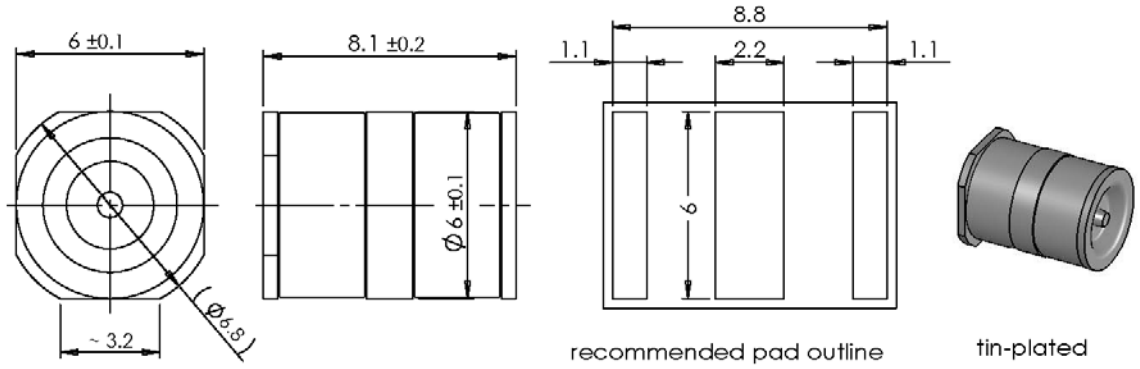
DC spark-over voltage [1) 2) 4) 5)]	880 ... 1320	V
Impulse spark-over voltage [4)]		
at 100 V/µs - for 99 % of measured values	< 1500	V
at 100 V/µs - typical values of distribution	< 1200	V
at 1 kV/µs - for 99 % of measured values	< 1600	V
at 1 kV/µs - typical values of distribution	< 1400	V
Service life		
10 operations 50 Hz; 1 s [6)]	10	A
1 operation 50 Hz; 0.18 s (9 cycles) [6)]	30	A
10 operations [5x (+) & 5x (-)] 8/20 µs [6)]	10	kA
1 operation 10/350 µs [6)]	2	kA
Insulation resistance at 100 V_{DC} [4)]	> 10	GΩ
Capacitance at 1 MHz [4)]	< 1.5	pF
Transverse delay time [3)]	< 0.2	µs
Arc voltage at 1 A	~ 25	V
Glow to arc transition current	~ 1	A
Glow voltage	~ 200	V
Weight	~ 1.4	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
UL recognition - 1449 ed. 3 type 3	E319264	
Marking, blue negative	**EPCOS** **1100 YY O** 1100 - Nominal voltage YY - Year of production O - Non radioactive	

1) At delivery AQL 0.65 level II, DIN ISO 2859
2) In ionized mode
3) Test according to ITU-T Rec. K.12
4) Tip or ring electrode to center electrode
5) Tip to ring electrode
6) Total current through center electrode, half value through tip respectively ring electrode.

Terms in accordance with ITU-T Rec. K.12 and DIN 57845/VDE0845

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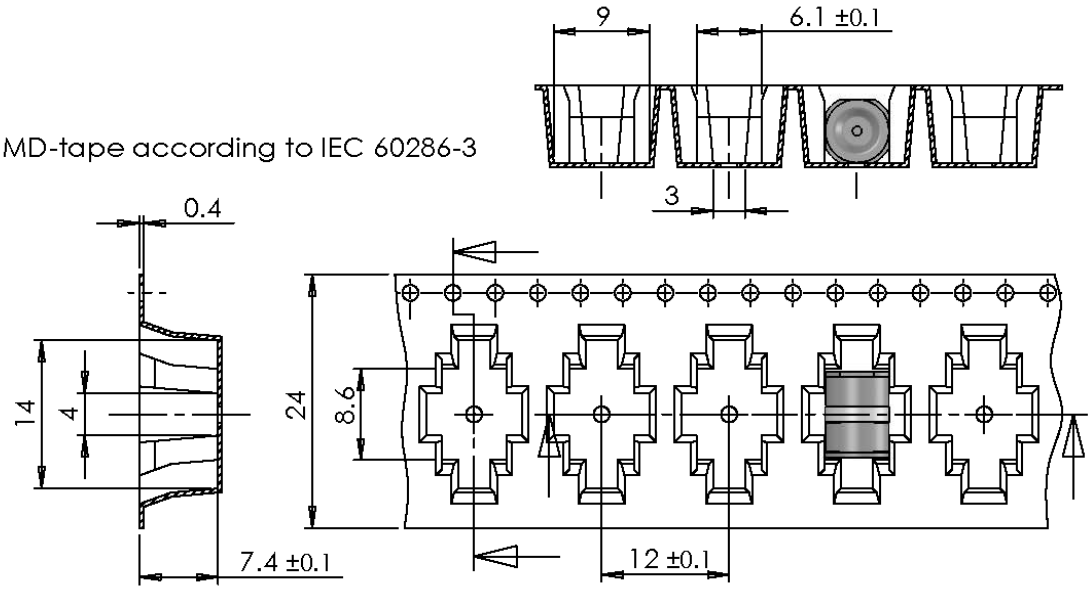
Dimensional drawing in mm



Ordering code and packing advice

*B88069X7931**T702** = 700 pcs on SMD tape*

SMD-tape according to IEC 60286-3



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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