

Surge arrester

3-electrode arrester

 Series/Type:
 EZ0-A90XSMD

 Ordering code:
 B88069X6051T902

 Version/Date:
 Issue 02 / 2007-09-07



Surge arrester B88069X6051T902

3-electrode arrester EZ0-A90XSMD

Features	Applications	
 Extremely small size 	Branch exchange (MDF)	
 Fast response time 	Line protection	
 High current rating 	 Station protection 	
 Stable performance over life 		
 Very low capacitance 		
 High insulation resistance 		
 Excellent SMD handling 		
 RoHS-compatible 		

Electrical specifications

DC spark-over voltage 1) 2) 4)		90 ± 20	V %
Impulse spark-over voltage ⁴⁾ at 100 V/µs - for 99 % of measured values - typical values of distribution		< 450 < 350	V
at 1 kV/µs - for 99 % of meas - typical values of		< 600 < 500	V
Service life 10 operations 1 operation 10 operations [5x (+) & 5x (-)] 1 operation 300 operations (alternating polarity) Insulation resistance at 50 V _{dc} ⁴⁾	50 Hz, 1 s ⁵⁾ 50 Hz, 0.18 s ⁵⁾ 8/20 μs ⁵⁾ 10/350 μs ⁵⁾ 10/1000 μs ⁵⁾	5 5 5 1 200 > 1	A A kA kA A
Capacitance at 1 MHz ⁴⁾		< 1.5	pF
Transverse delay time ³⁾		< 0.2	μs
Arc voltage at 1 A Glow to arc transition current Glow voltage		~ 10 ~ 1 ~ 80	V A V
Weight		~ 1.0	g
Operation and storage temperature		-40 +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	
Marking, blue negative		EPCOS EZ 90 YY O EZ - Series 90 - Nominal voltag YY - Year of product O - Non radioactive	tion

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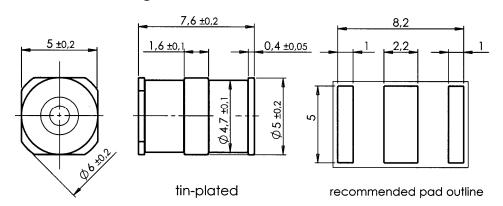
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- 1) At delivery AQL 0.65 level II, DIN ISO 2859
- 2) In ionized mode
- 3) Test according to ITU-T Rec. K.12
- 4) Tip or ring electrode to center electrode
- Total current through center electrode, half value through tip respectively ring electrode.

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

Dimensional drawing



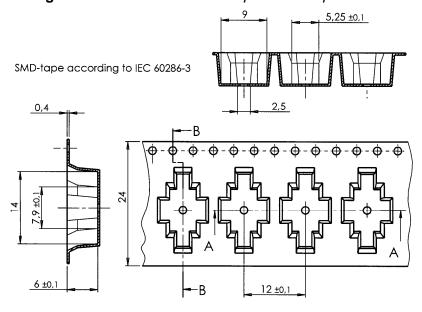
Not to scale

Dimensions in mm

Non controlled document

Packing advice

T902 = SMD-tape with 900 pcs



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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