

Surge arrester

2-electrode arrester

Series/Type: S50-A90X Ordering code: B88069X19

Ordering code: B88069X1913T902

Version/Date: Issue 01 / 2012-11-09

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Surge arrester B88069X1913T902

2-electrode arrester S50-A90X

Features

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

Applications

- Modem
- XDSL-splitter
- Data lines
- Tuner
- Antenna

Electrical specifications

DC spark-over voltage 1) 2)	90 ± 20	V %	
Impulse spark-over voltage	= = =		
at 100 V/µs - for 99% of measured values - typical values of distribution	< 550 < 500	V	
at 1 kV/µs - for 99% of measured values - typical values of distribution	< 600 < 550	V	
Service life			
10 operations 50 Hz, 1 s	5	Α	
1 operation 50 Hz, 0.18 s (9 cycles)	10	Α	
10 operations 8/20 μs	5	kA	
1 operation $8/20 \mu s^{3)}$	10	kA	
1 operation 10/350 μs	0.5	kA	
300 operations 10/1000 μs	100	А	
Insulation resistance at 50 V _{DC}	> 1	$G\Omega$	
Capacitance at 1 MHz	< 1	pF	
Arc voltage at 1 A Glow to arc transition current Glow voltage	~ 15 ~ 0.8 ~ 60	V A V	
Weight	~ 1	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

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

PPD AB PD / PPD AB PM Issue 01 / 2012-11-09

²⁾ In ionized mode

³⁾ After loading DC breakdown may exceed initial values but device will remain in a safe mode.

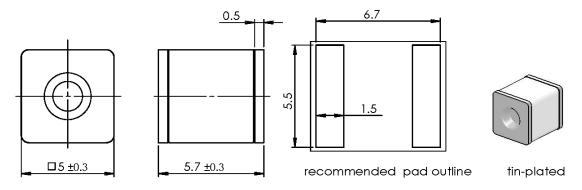


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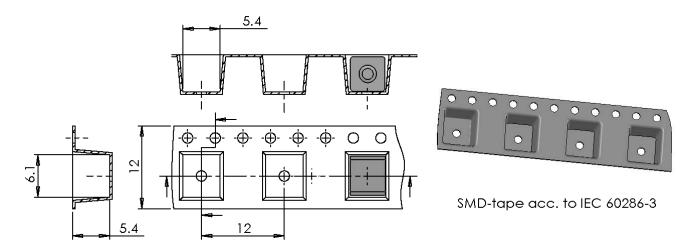
S50-A90X

Dimensional drawing in mm



Ordering code and packing advice

B88069X1913**T902** = 900 pcs. on SMD-tape and reel



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 lead contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.

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