

Surge arrester

2-electrode arrester

Series/Type: S80-A90X Ordering code: B88069X10

Ordering code: B88069X1673T602

Version/Date: Issue 03 / 2013-08-22



Surge arrester B88069X1673T602

2-electrode arrester S80-A90X

Features

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

Applications

- Consumer electronic
- Alarm systems

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			< 500 < 450	V
at 1 kV/µs	at 1 kV/µs - for 99% of measured values - typical values of distribution		< 600 < 550	V
Service life				
10 operations		50 Hz, 1 s	20	Α
1 operation		50 Hz; 0.18 s (9 cycles)	100	Α
10 operations	[5× (+) & 5× (-)]	8/20 µs	20	kA
1 operation		8/20 µs	25	kA
1 operation		10/350 μs	2.5	kA
300 operations		10/1000 μs	200	А
Insulation resistance at 50 V _{DC}			> 10	$G\Omega$
Capacitance at 1 MHz			< 1.5	pF
Arc voltage at 1 A Glow to arc transition current			~ 15 ~ 0.6	V A
Glow voltage			~ 60	V
Weight			~ 1.5	g
Operation and storage temperature			-40 +90	°C
Climatic category (IEC 60068-1)			40/ 90/ 21	
Marking, blue positive			YY 090	
			YY - Year of production 090 - Nominal voltage	1

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.

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²⁾ In ionized mode

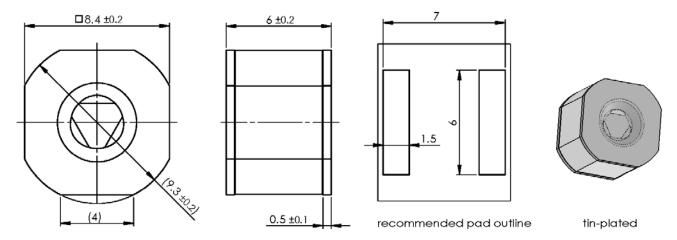


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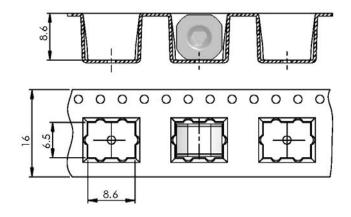
S80-A90X

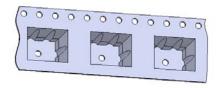
Dimensional drawing in mm



Ordering code and packing advice

B88069X1673**T602** = 600 pcs. on tape and reel





SMD-tape acc. 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).
- If the contacts of the surge arrester are defective, current stress can lead to the formation of sparks and loud noises.
- 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.
- Surge arresters must be handled with care and must not be dropped.
- Damaged surge arresters must not be re-used.

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