Surge arrester

2-electrode arrester

Series/Type: **S80-A75X**
Ordering code: **B88069X1933T602**
Version/Date: Issue 01 / 2012-11-09

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

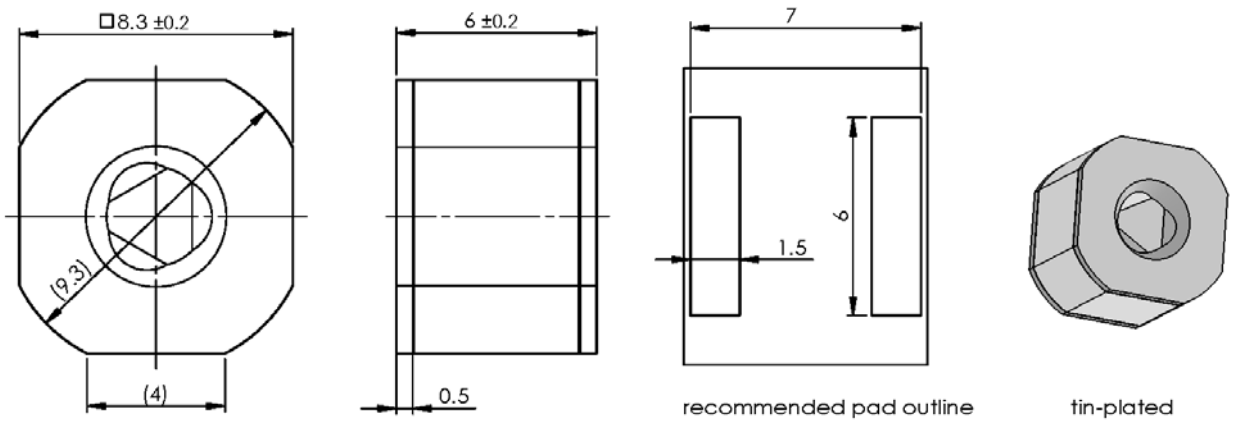
Electrical specifications

DC spark-over voltage [1) 2)]		75 ± 20	V %
Impulse spark-over voltage			
at 100 V/µs	- for 99% of measured values	< 350	V
	- typical values of distribution	< 300	V
at 1 kV/µs	- for 99% of measured values	< 650	V
	- typical values of distribution	< 600	V
Service life			
10 operations	50 Hz, 1 s	20	A
1 operation	50 Hz; 0.18 s (9 cycles)	100	A
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	A
Insulation resistance at 50 V_{DC}		> 10	GΩ
Capacitance at 1 MHz		< 1.5	pF
Arc voltage at 1 A		~ 15	V
Glow to arc transition current		~ 0.6	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 075 YY - Year of production 075 - Nominal voltage	

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

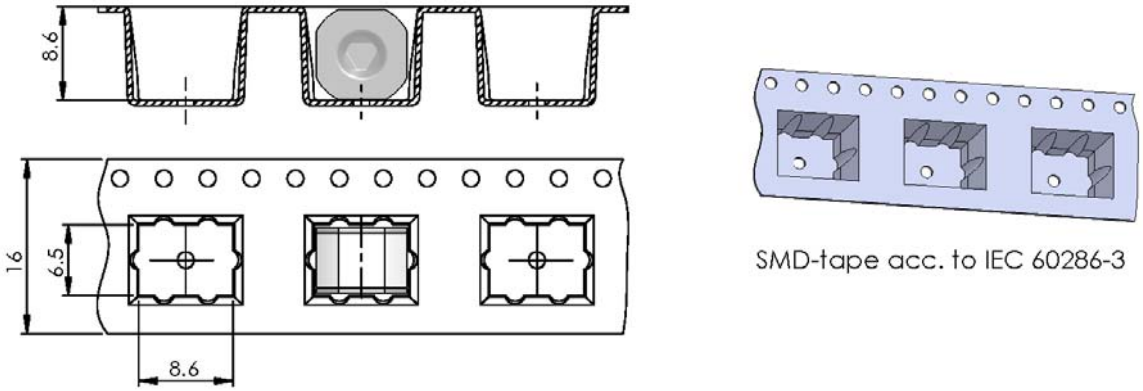
Terms in accordance with ITU-T Rec. K.12; IEC 61663-2 and IEC 61643-311.

Dimensional drawing in mm



Ordering code and packing advice

*B88069X1933**T602** = 600 pcs. on 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).
- 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.
- Damaged surge arresters must not be re-used.

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