

Surge arrester

B88069X1630T602

2-electrode arrester

A80-C90XSMD


Features

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

Applications

- Consumer electronic
- Alarm systems

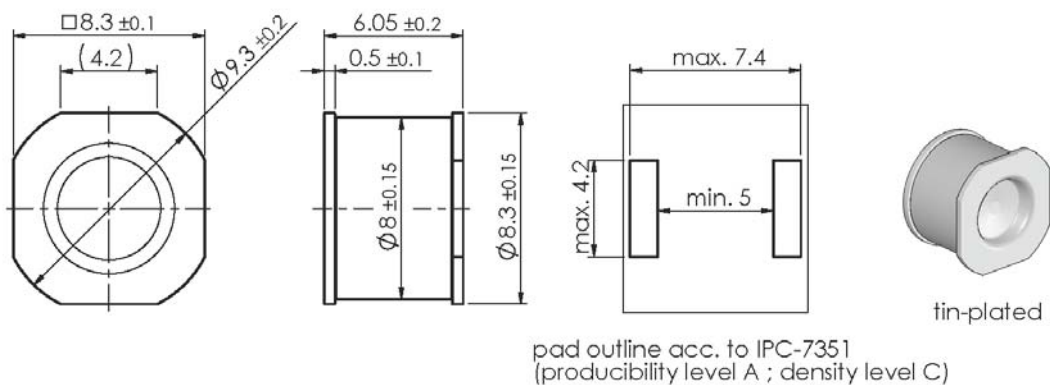
Electrical specifications

DC spark-over voltage ^{1) 2)}	90	V
Tolerance	±20	%
Min.	72	V
Max.	108	V
Impulse spark-over voltage		
at 100 V/μs - for 99% of measured values	< 500	V
- typical values of distribution	< 450	V
at 1 kV/μs - for 99% of measured values	< 600	V
- typical values of distribution	< 550	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	5	kA
300 operations 10/1000 μs	100	A
Insulation resistance at 50 V _{DC}	> 10	GΩ
Capacitance at 1 MHz	< 1.5	pF
Arc voltage at 1 A	~ 10	V
Glow to arc transition current	~ 0.5	A
Glow voltage	~ 60	V
Weight	~ 1.5	g
Operation and storage temperature	-40 ... +125	°C
Climatic category (IEC 60068-1)	40/125/21	
Marking, blue negative	EPCOS 90 YY O 90 - Nominal voltage YY - Year of production O - Non radioactive	
Certification	UL 497B (E163070)	

¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859

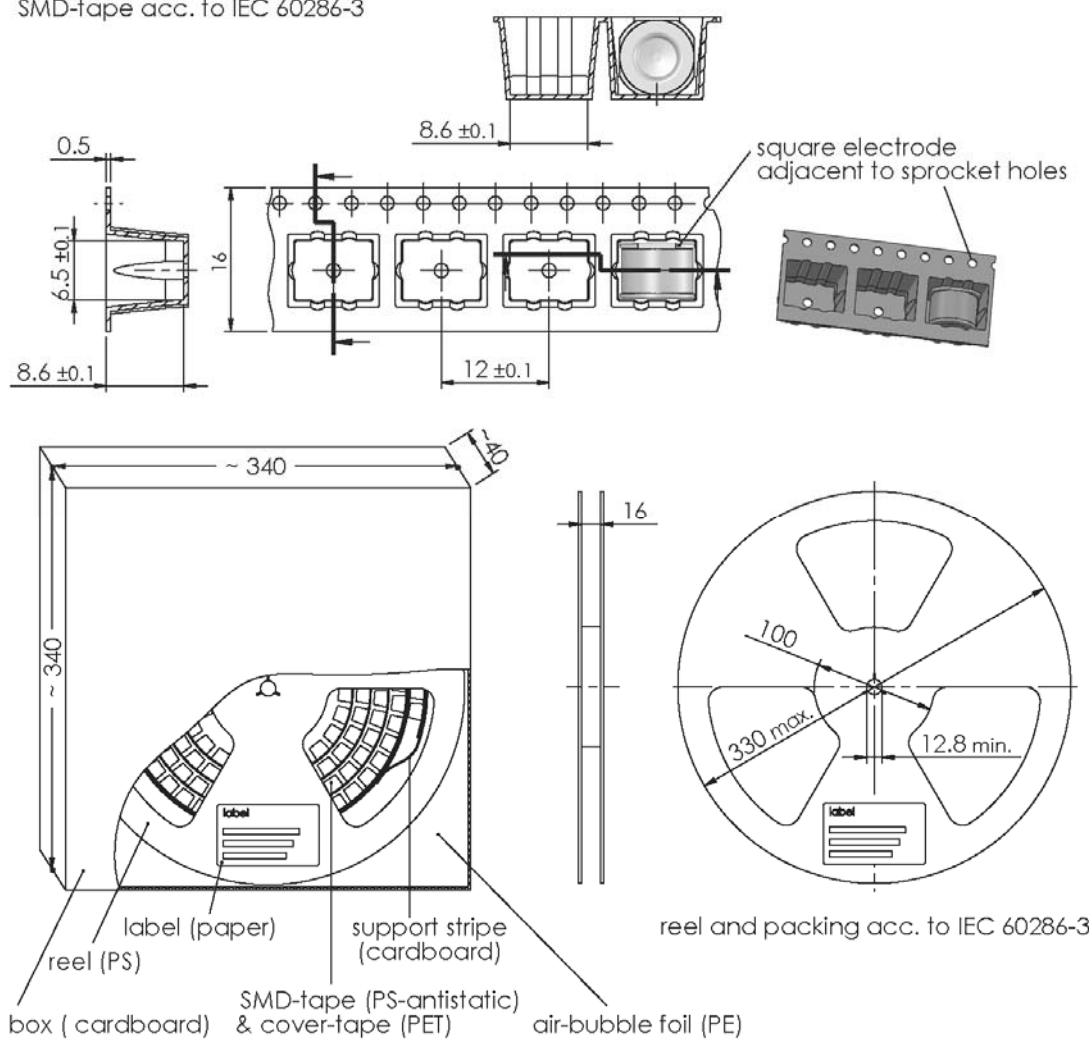
²⁾ In ionized mode

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

Dimensional drawing in mm

Ordering code and packing advice

B88069X1630T602 = 600 pcs. on SMD-tape & reel

SMD-tape acc. to IEC 60286-3



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