



Surge arrester

2-electrode arrester

Series/Type: EN230XSMD
Ordering code: B88069X9851T702
Version/Date: Issue 01 / 2011-01-17

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Features

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

Applications

- Modem
- XDSL-splitter
- Consumer electronics
- Tuner

Electrical specifications

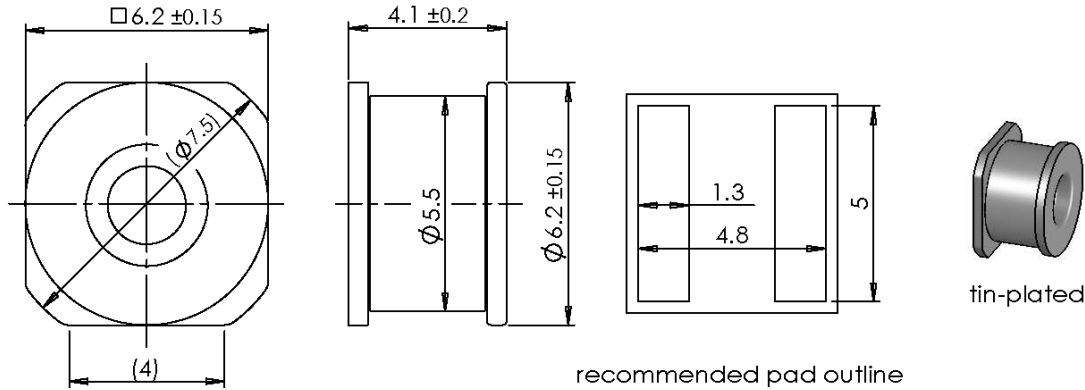
DC spark-over voltage ^{1) 2)}	230 ± 20	V %
Impulse spark-over voltage		
at 100 V/μs - for 99 % of measured values - typical values of distribution	< 500 < 400	V V
at 1 kV/μs - for 99 % of measured values - typical values of distribution	< 650 < 550	V V
Service life		
10 operations 50 Hz; 1 s	5	A
1 operation 50 Hz; 0.18 s (9 cycles)	20	A
10 operations [5x (+) & 5x (-)] 8/20 μs	5	kA
1 operation 10/350 μs	1.5	kA
300 operations [150x (+) & 150x (-)] 10/1000 μs	100	A
DC hold-over voltage at 135 V _{DC} / 1300 Ω	< 150	ms
Insulation resistance at 100 V _{DC}	> 1	GΩ
Capacitance at 1 MHz	< 1	pF
Arc voltage at 1 A	~ 15	V
Glow to arc transition current	< 0.5	A
Glow voltage	~ 140	V
Weight	~ 0.5	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, blue positive	EPCOSEN 230 YY O EN - Series 230 - Nominal voltage YY - Year of production O - Non radioactive	

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

²⁾ In ionized mode

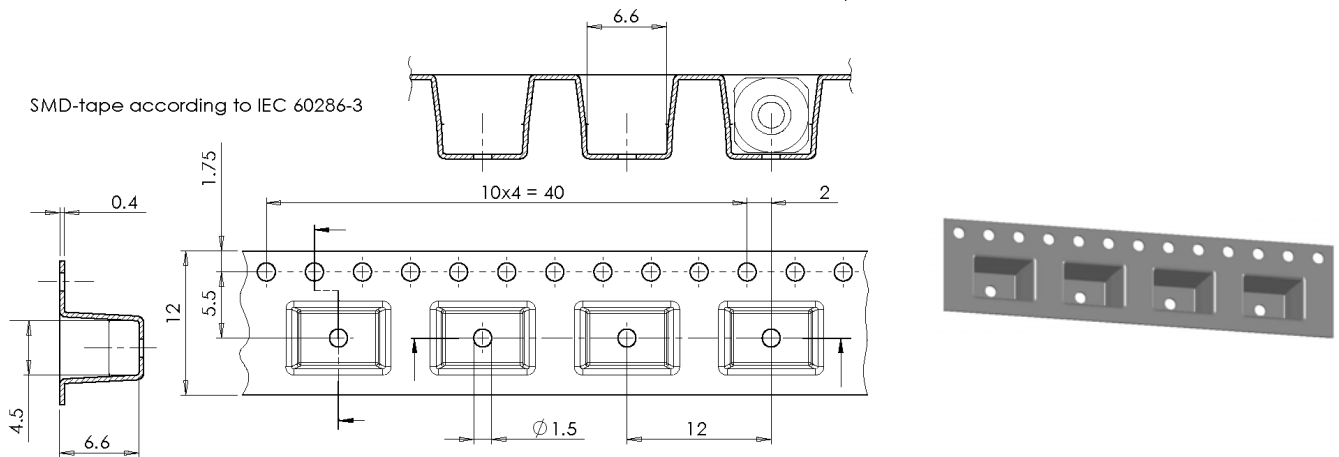
Terms in accordance with ITU-T Rec. K.12 and DIN 57845/VDE0845

Dimensional drawing in mm



Ordering code and packing advice

B88069X9851T702 = 700 pcs taped and reeled



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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