

Surge arrester

2-electrode arrester

Series/Type:ES300XSMDOrdering code:B88069X4211T902Version/Date:Issue 03 / 2006-09-26

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B88069X4211T902 ES300XSMD

Features	Applications
 Extremely small size Very fast response time Stable performance over life Extremely low capacitance High insulation resistance 	 Modem XDSL-splitter Tuner
Excellent SMD handlingRoHS-compatible	

Electrical specifications

DC spark-over voltage ^{1) 2)}	300 ± 15	V %
Impulse spark-over voltage at 100 V/µs - for 99% of measured values - typical values of distribution	< 500 < 450	V V
at 1 kV/µs - for 99% of measured values - typical values of distribution	< 600 < 550	V V
Service life		
10 operations 8/20 μs	2.5	kA
1 operation 8/20 μs	5	kA
Insulation resistance at 100 V_{dc}	> 1	GΩ
Capacitance at 1 MHz	< 1	pF
Arc voltage at 1 A Glow to arc transition current Glow voltage	~ 11 < 0.5 ~ 130	V A V
Weight	~ 0.3	g
Operation and storage temperature	-40 +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, red positive	EPCOS ES 300 YY OES- Series300- Nominal voltageYY- Year of productionO- 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

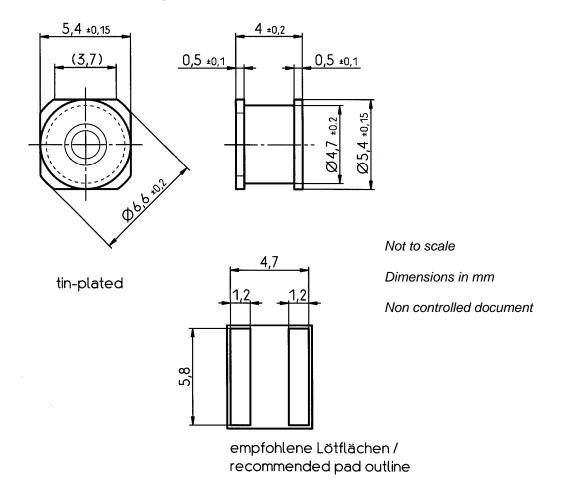


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Dimensional drawing



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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