

Surge arrester

2-electrode arrester

ES300XSMD

Series/Type: Ordering code: B88069X4211T902

Version/Date: Issue 03 / 2006-09-26



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

Electrical specifications

Liectrical specifications		
DC spark-over voltage 1)2)	300	V
	± 15	%
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 8/20 μs	2.5	kA
1 operation 8/20 μs	5	kA
Insulation resistance at 100 V _{dc}	> 1	$G\Omega$
Capacitance at 1 MHz	< 1	pF
Arc voltage at 1 A	~ 11	V
Glow to arc transition current	< 0.5	Α
Glow voltage	~ 130	V
Weight	~ 0.3	g
Operation and storage temperature	-40 +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, red positive	EPCOSES 300 YY (ES - Series 300 - Nominal voltage YY - Year of production O - Non radioactive	

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

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

KB AB E / KB AB PM Issue 03 / 2006-09-26

²⁾ In ionized mode

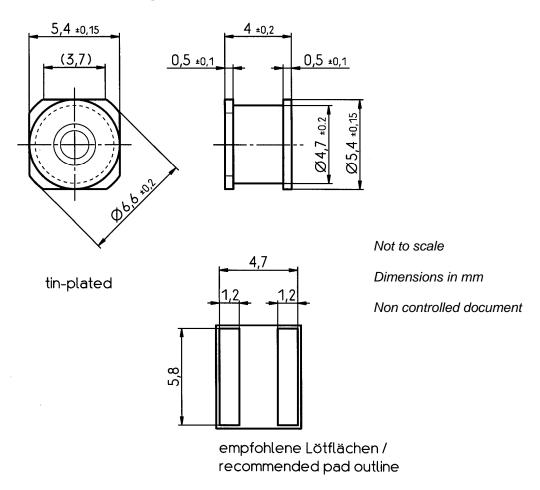


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Dimensional drawing



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).

Page 3 of 4

- 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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