

2-electrode arrester

Series/Type:ES350XSMDOrdering code:B88069X4911T902Version/Date:Issue 03 / 2007-01-12

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2-electrode arrester

B88069X4911T902 ES350XSMD

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

Electrical specifications

DC spark-over voltage ^{1) 2)}		350 ± 15	V %
Impulse spark-over voltage at 100 V/µs - for 99 % of measured values - typical values of distribution		< 530 < 450	VVV
at 1 kV/µs	 for 99 % of measured values typical values of distribution 	< 600 < 530	V V
Service life			
10 operations (5x (+) & 5x (–)) 8/20 μs		5	kA
1 operation	n 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		~ 15 < 0.5 ~ 130	V A V
Weight		~ 1	g
Operation and storage temperature		-40 +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	
Marking, red negative		EPCOSES 350 YY O ES - Series 350 - 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

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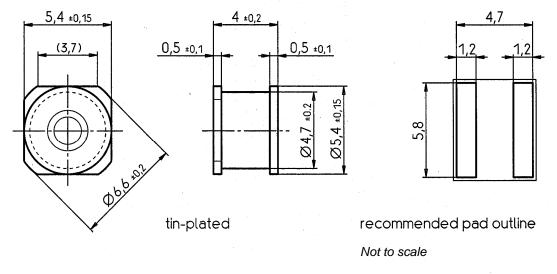
Please read *Cautions and warnings* and *Important notes* at the end of this document.



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Dimensional drawing



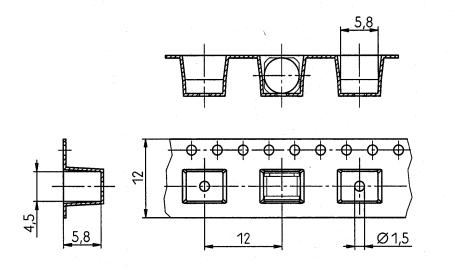
Dimensions in mm

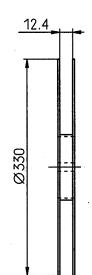
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Packing advice

T902 = tape and reel with 900 pcs

Tape and reel packing comply with the specification of IEC 60286-3





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Cautions and warnings

- Surge arresters must not be operated directly in power supply networks.
- If the contacts of the surge arresters are defective, current stress can lead to the formation of sparks and loud noises (bang).
- Surge arresters may become hot in case of longer periods of current stress (danger of burning).

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- 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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