

Surge arrester

2-electrode arrester

Series/Type: Ordering code: ES1200XSMD B88069X5641T902

Version/Date: Issue 02 / 2006-09-04



Surge arrester B88069X5641T902

ES1200XSMD 2-electrode arrester

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

Electrical specifications

DC spark-over voltage 1) 2)	1200 ± 15	V %
Impulse spark-over voltage at 2 kV/µs - for 99 % of measured values - typical values of distribution	< 1500 < 1400	V
Service life 100 operations [50x (+) & 50x (-)] 10/1000 µs 20 operations 10/1000 µs	10 100	A A
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	~ 1	g
Operation and storage temperature	-40 +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, red positive	EPCOSES 1200 YY O ES - Series 1200 - Nominal voltage YY - Year of production O - Non radioactive	

At delivery AQL 0.65 level II, DIN ISO 2859 In ionized mode

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

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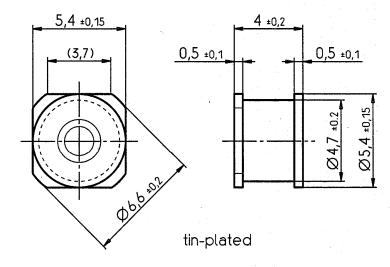


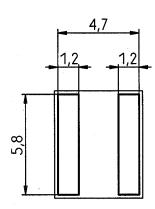
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Dimensional drawing





recommended pad outline

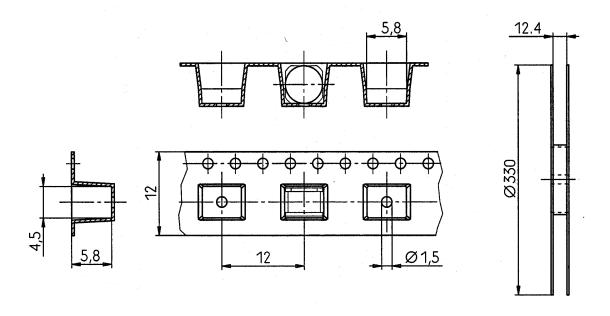
Not to scale

Dimensions in mm

Non controlled document

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.
- Surge arresters may become hot in the event of longer periods of current stress (danger of burning).
- Surge arresters may be used only within their specified values. In the event 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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