

Surge arrester

2-electrode arrester

Series/Type: M50-A600XSMD Ordering code: B88069X3351T902

Version/Date: Issue 02 / 2006-02-15



Surge arrester B88069X3351T902

2-electrode arrester

M50-A600XSMD

Features	Applications
 Very small size 	Branch exchange (MDF)
 High current rating 	 Subscriber protection
 Fast response time 	Line protection
 Stable performance over life 	Consumer electronics
 Very low capacitance 	 Alarm systems
 High insulation resistance 	
Excellent SMD handling	
RoHS-compatible	

Electrical specifications

DC spark-over voltage 1) 2)	600	V	
	±20	%	
Impulse spark-over voltage			
at 100 V/µs - for 99 % of measured values - typical values of distribution	< 1350 < 1200	V	
at 1 kV/µs - for 99 % of measured values - typical values of distribution	< 1500 < 1350	V V	
Nominal impulse discharge current (wave 8/20 µs) Single impulse discharge current (wave 8/20 µs)	5 10	kA kA	
Nominal alternating discharge current (50 Hz, 1 s) Alternating discharge current (50 Hz, 9 cycles)	5 10	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	~ 20 ~ 0.8 ~ 65	V A V	
Weight	~ 1	g	
Operation and storage temperature	-40 +90	°C	
Climatic category (IEC 60068-1)	40/ 90/ 21	40/ 90/ 21	
Marking, blue negative	EPCOS 600 YY O 600 - Nominal voltage YY - Year of production O - Non radioactive		

¹⁾ 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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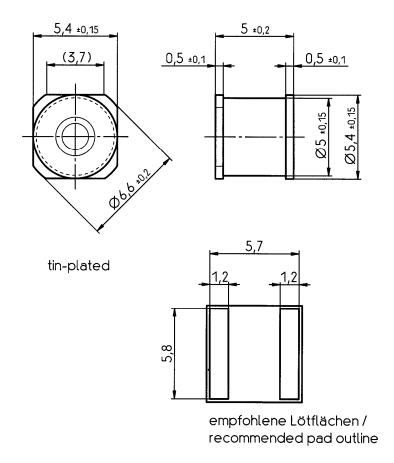


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Dimensional drawing



Not to scale

Dimensions in mm

Non controlled document

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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