

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Surge arrester

2-electrode arrester

Series/Type: M51-A600X

Ordering code: B88069X4590C102

Version/Date: Issue 04 / 2009-05-25

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B88069X4590C102 Surge arrester

M51-A600X 2-electrode arrester

Features	Applications
Very small size	 AC power line devices
 High current rating 	 Consumer electronics
 Very fast response time 	Power supply
 Stable performance over life 	
 Very low capacitance 	
 High insulation resistance 	
 RoHS-compatible 	

Electrical specifications

DC spark-over voltage 1) 2)		570 780	V
Impulse spark-over voltage			
•	r 99 % of measured values pical values of distribution	< 1350 < 1200	V V
• • • • • • • • • • • • • • • • • • •	or 99 % of measured values pical values of distribution	< 1500 < 1350	V
Service life			
10 operations	50 Hz, 1 s	5	Α
1 operation	50 Hz, 0.18 s (9 cycles)	10	Α
10 operations	8/20 μs	5	kA
1 operation	8/20 μs	10	kA
1 operation	10/350 μs	1	kA
Insulation resistance at 10	0 V _{dc}	> 1	GΩ
Capacitance at 1 MHz		< 1	pF
Arc voltage at 1 A		~ 15	V
Glow to arc transition current		~ 0.5	Α
Glow voltage		~ 60	V
Weight		~ 1	g
Operation and storage temperature		-40 +90	°C
Climatic category (IEC 60068-1)		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

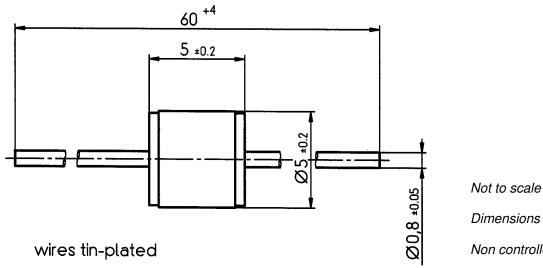


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M51-A600X

Dimensional drawing



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 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 head contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.



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The following applies to all products named in this publication:

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