



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

3-electrode arrester

**Series/Type:** T63-C350X  
**Ordering code:** B88069X7460B102  
Version/Date: Issue 04 / 2011-12-20

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**Features**

- Very fast response time
- Maximum current rating
- Stable performance over life
- Low capacitance
- High insulation resistance
- RoHS-compatible

**Applications**

- Branch Exchange (MDF)
- Line protection
- Station protection

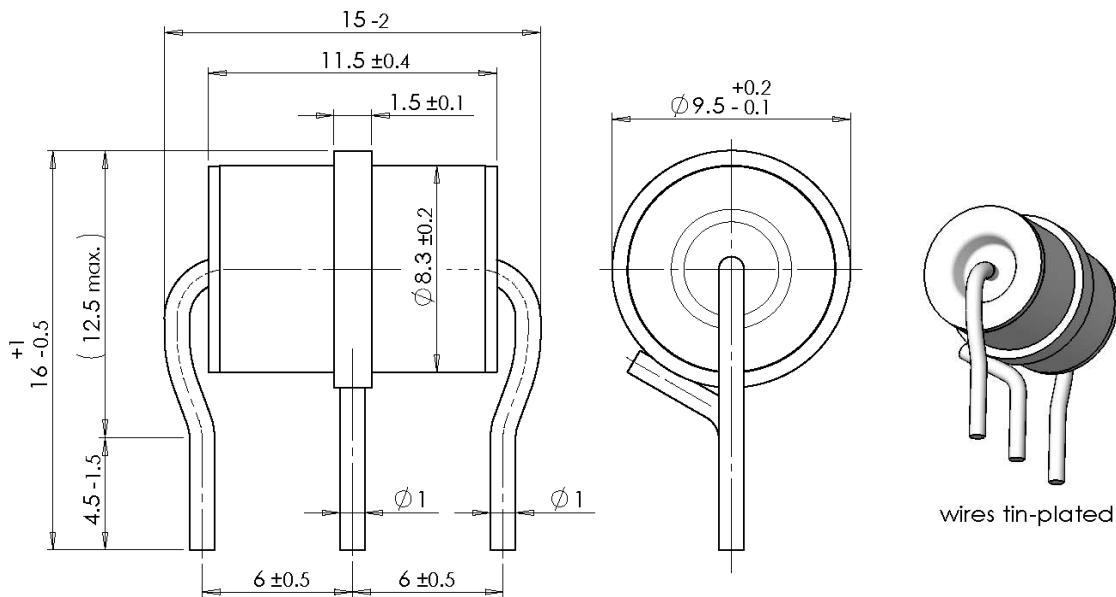
**Electrical specifications**

DC spark-over voltage <sup>1) 2) 3)</sup>	400 ± 25	V %
Impulse spark-over voltage <sup>3)</sup>		
at 100 V/μs - for 99 % of measured values - typical values of distribution	< 800 < 700	V V
at 1 kV/μs - for 99 % of measured values - typical values of distribution	< 900 < 800	V V
Service life		
10 operations                      50 Hz, 1 s <sup>4)</sup>	20	A
1 operation                        50 Hz, 0.18 s (9 cycles) <sup>4)</sup>	130	A
10 operations [5x (+) & 5x (-)]   8/20 μs <sup>4)</sup>	20	kA
1 operation                        8/20 μs <sup>4)</sup>	40	kA
1 operation                        10/350 μs <sup>4)</sup>	5	kA
200 operations                    10/700 μs <sup>4)</sup>	400	A
400 operations                    10/1000 μs <sup>4)</sup>	1000	A
Insulation resistance at 100 V <sub>DC</sub> <sup>3)</sup>	> 10	GΩ
Capacitance at 1 MHz <sup>3)</sup>	< 1.5	pF
Transverse delay time <sup>5)</sup>	< 0.2	μs
Arc voltage at 1 A	~ 35	V
Glow to arc transition current	~ 1	A
Glow voltage	~ 200	V
Weight	~ 3.5	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, blue negative	<b>EPCOS</b> <b>350 YY O</b> 350 - Nominal voltage YY - Year of production O - Non radioactive	

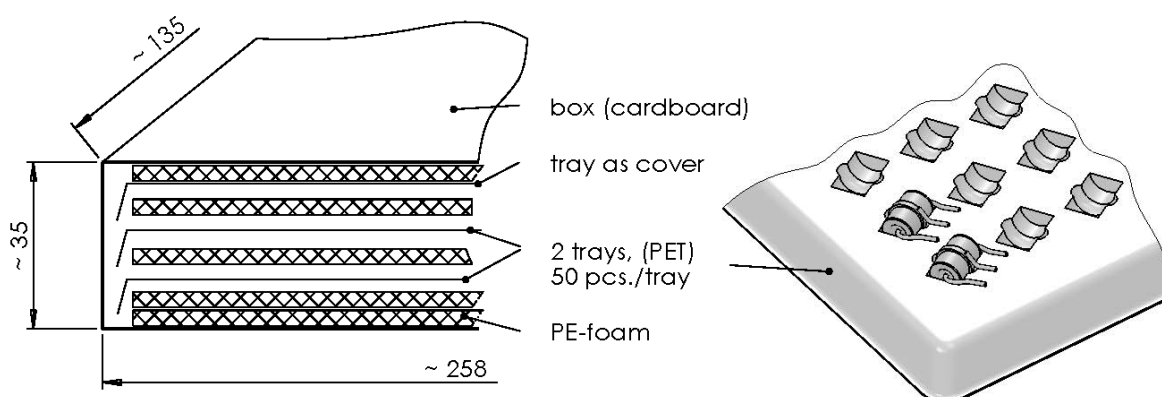
Remarks on next page above

- 1) At delivery AQL 0.65 level II, DIN ISO 2859
- 2) In ionized mode
- 3) Tip or ring electrode to center electrode
- 4) Total current through center electrode, half value through tip respectively ring electrode
- 5) Test according to ITU-T Rec. K.12

Terms in accordance with ITU-T Rec. K.12; IEC 61663-2 and IEC 61643-311.  
 Tested in accordance to RUS PE-80 and IEEE C62.31.

**Dimensional drawing in mm**

**Ordering code and packing advice**

**B88069X6990B102** = 100 pcs. on 2 trays


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

## Important notes

The following applies to all products named in this publication:

1. Some parts of this publication contain **statements about the suitability of our products for certain areas of application**. These statements are based on our knowledge of typical requirements that are often placed on our products in the areas of application concerned. We nevertheless expressly point out **that such statements cannot be regarded as binding statements about the suitability of our products for a particular customer application**. As a rule, EPCOS is either unfamiliar with individual customer applications or less familiar with them than the customers themselves. For these reasons, it is always ultimately incumbent on the customer to check and decide whether an EPCOS product with the properties described in the product specification is suitable for use in a particular customer application.
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