



## **Surge arrester**

2-electrode arrester

<b>Series/Type:</b>	<b>ES1000XS</b>
<b>Ordering code:</b>	<b>B88069X6561B502</b>
<b>Version/Date:</b>	<b>Issue 02 / 2011-03-09</b>

**Features**

- Extremely small size
- Fast response time
- Stable performance over life
- Extremely low capacitance
- High insulation resistance
- RoHS-compatible

**Applications**

- Modem
- Consumer electronics
- Tuner

**Electrical specifications**

DC spark-over voltage <sup>1) 2) 3)</sup>	1000 ± 10	V %
Impulse spark-over voltage at 100 V/μs - for 99 % of measured values - typical values of distribution	< 1400 < 1200	V V
Service life 1 operation 8/20 μs	2	kA
Insulation resistance at 100 V <sub>DC</sub>	> 1	GΩ
Capacitance at 1 MHz	< 1	pF
Weight	~ 0.5	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, red positive	<b>EPCOSES 1000 YY O</b> ES - Series 1000 - Nominal voltage YY - Year of production O - Non radioactive	

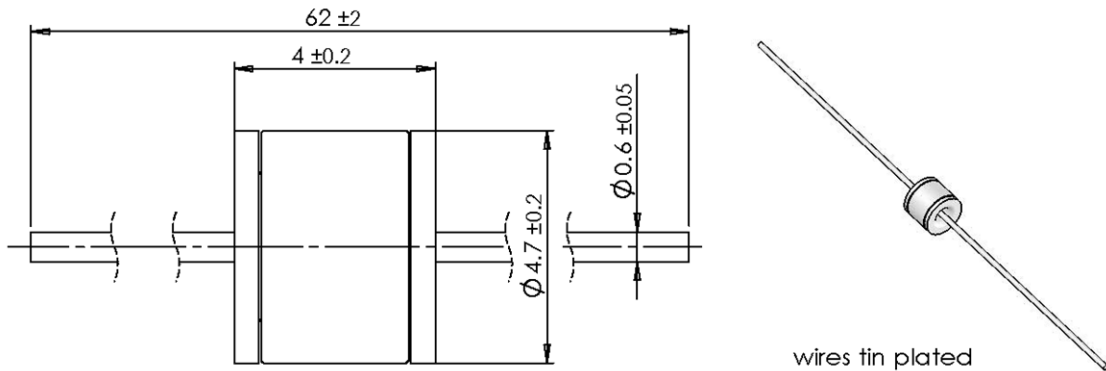
<sup>1)</sup> At delivery AQL 0.65 level II, DIN ISO 2859

<sup>2)</sup> In ionized mode

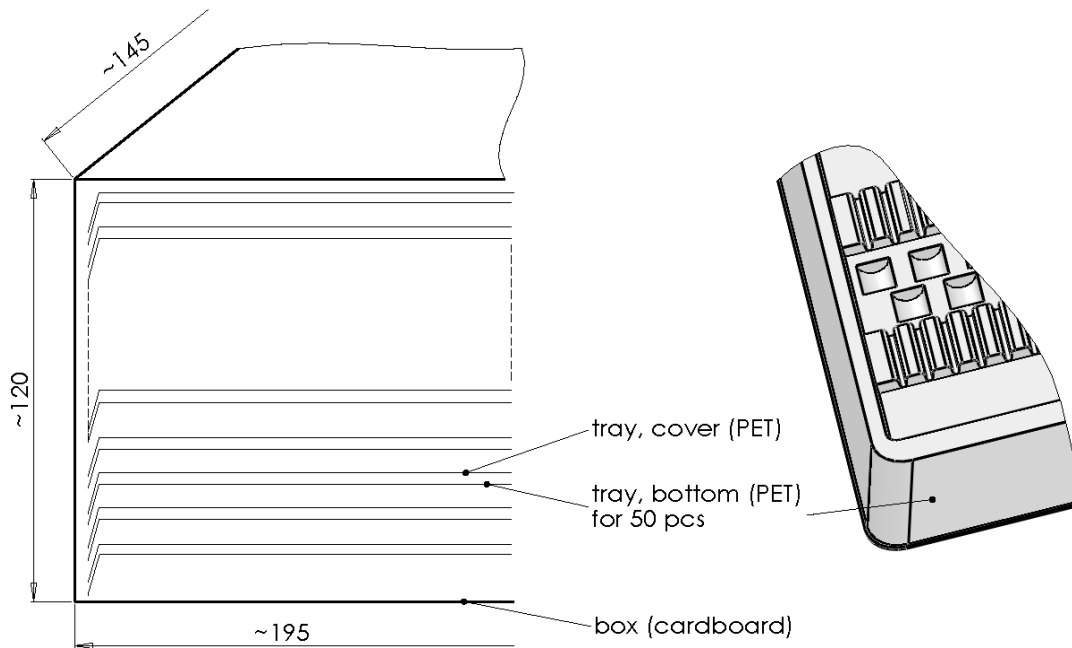
<sup>3)</sup> The first DC spark-over value immediately after changing polarity shall not be considered.

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

### Dimensional drawing in mm



### Ordering code and packing advice



### 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.

## 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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- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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