

2-electrode arrester

 Series/Type:
 ES400XSMD

 Ordering code:
 B88069X5591T902

 Version/Date:
 Issue 02 / 2007-01-12

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### 2-electrode arrester

# B88069X5591T902 ES400XSMD

Features	Applications
<ul> <li>Extremely small size</li> <li>Extremely fast response time</li> <li>Stable performance over life</li> <li>Extremely low capacitance</li> <li>High insulation resistance</li> <li>Excellent SMD handling</li> <li>RoHS-compatible</li> </ul>	<ul> <li>Modem</li> <li>Consumer electronics</li> <li>Tuner</li> </ul>

### **Electrical specifications**

DC spark-over voltage <sup>1) 2)</sup>	400 ± 15	V %
Impulse spark-over voltage		
at 100 V/µs - for 99 % of measured values - typical values of distribution	< 800 < 750	V V
at 1 kV/µs - for 99 % of measured values - typical values of distribution	< 1000 < 850	V V
Service life		
10 operations 50 Hz; 1 s	2.5	A
10 operations 8/20 µs	2.5	kA
1 operation 8/20 µs	5	kA
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 ~ 80	V A V
Weight	~ 1	g
Operation and storage temperature	-40 +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, red negative	EPCOSES 400 YY OES- Series400- Nominal voltageYY- Year of productionO- 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

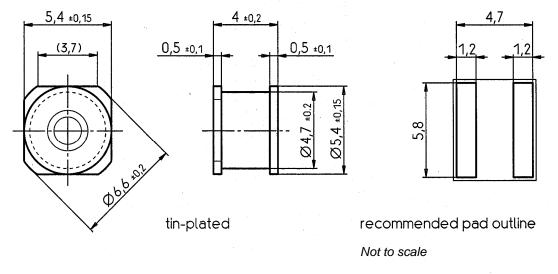
### KB AB E / KB AB PM



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### **Dimensional drawing**



Dimensions in mm

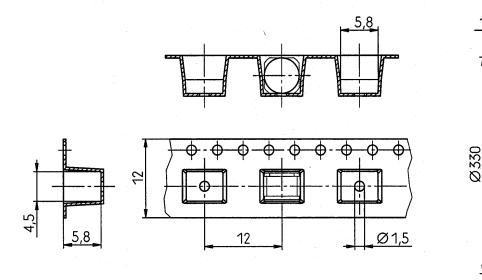
Non controlled document

12.4

### Packing advice

T902 = tape and reel with 900 pcs

Tape and reel packing comply with the specification of IEC 60286-3



#### KB AB E / KB AB PM

Please read *Cautions and warnings* and *Important notes* at the end of this document.

2-electrode arrester

#### **Cautions and warnings**

- Surge arresters must not be operated directly in power supply networks.
- If the contacts of the surge arresters are defective, current stress can lead to the formation of sparks and loud noises (bang).
- Surge arresters may become hot in case of longer periods of current stress (danger of burning).

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- 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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Please read *Cautions and warnings* and *Important notes* at the end of this document.



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