Surge Arrester

3-Electrode-Arrester

Series/Type:	**T90-A230XF**
Ordering code:	**B88069X6710C253**
Date:	28.05.2002
Version:	Issue 04

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.
2. We also point out that **in individual cases, a malfunction of electronic components or failure before the end of their usual service life cannot be completely ruled out in the current state of the art, even if they are operated as specified.** In customer applications requiring a very high level of operational safety and especially in customer applications in which the malfunction or failure of an electronic component could endanger human life or health (e.g. in accident prevention or life-saving systems), it must therefore be ensured by means of suitable design of the customer application or other action taken by the customer (e.g. installation of protective circuitry or redundancy) that no injury or damage is sustained by third parties in the event of malfunction or failure of an electronic component.
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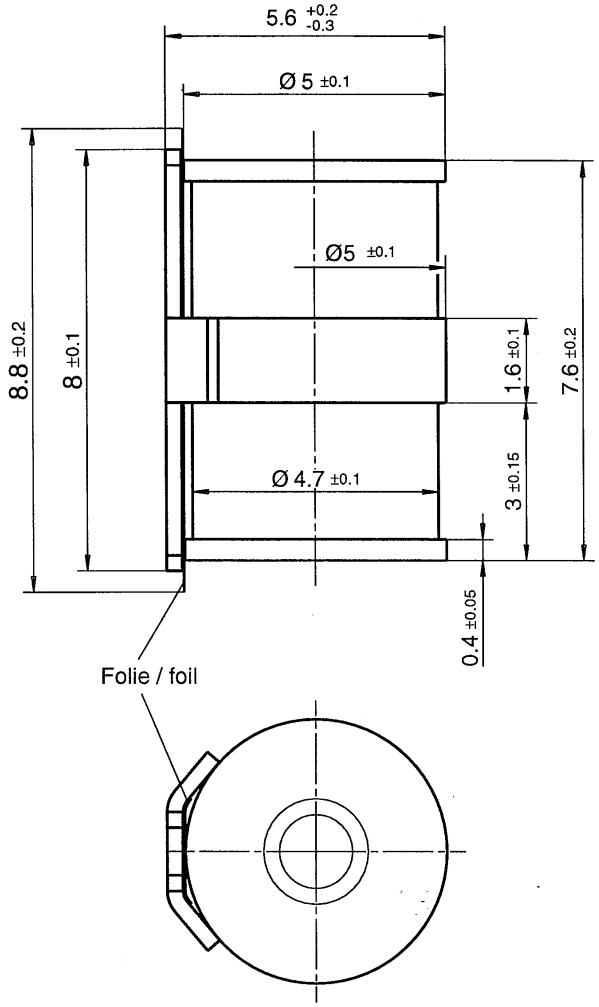
DC spark-over voltage [1) 2) 3)]	184 ... 276	V
DC spark-over voltage [2) 4)]	176 ... 550	V
Impulse spark-over voltage		
at 100 V/µs - for 99 % of measured values [3)]	< 650	V
- for 50 % of measured values [3)]	< 550	V
at 1 kV/µs - for 99 % of measured values [3)]	< 800	V
- for 50 % of measured values [3)]	< 700	V
Insulation resistance at 100 V_{dc} [3)]	> 1	GΩ
Capacitance at 1 MHz [3)]	< 1.5	pF
Impulse life		
300 operations 10/1000 µs [5)]	200	A
Nominal impulse discharge current		
10 operations 8/20 µs [5)]	5	kA
10 operations 8/20 µs [6)]	5	kA
Nominal alternating discharge current		
10 operations 50 Hz; 1 s [5)]	5	A_{rms}
10 operations 50 Hz; 1 s [6)]	5	A_{rms}
DC hold-over voltage [8)]		
at 52 V_{dc} / 260 Ω	< 150	ms
at 80 V_{dc} / 330 Ω	< 150	ms
at 135 V_{dc} / 1300 Ω	< 150	ms
Activation after reflow soldering [7)]		
1 operation U_{RMS} = 600 V; 1 s	2	A
Weight	~ 0.8	g
Storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, blue	**EPCOS** **230 YY O** 230 - Nominal voltage YY - Year of production O - Non radioactive	

1) At delivery AQL 0.65 level II, DIN ISO 2859
2) In ionized mode
3) Tip or ring electrode to center electrode
4) Tip to ring electrode
5) Total current through center electrode, half value through tip respectively ring electrode
6) Total current through center electrode, same value through tip respectively ring electrode
7) Total current from ring to tip electrode
8) Test in accordance with ITU-Rec. K.12

Terms in accordance with ITU-T Rec. K.12 and DIN 57845/VDE 0845

Arrester fail safe works at temperatures > 260 °C. The arrester has to be fixed mechanically, if the arrester is contacted by soldering and if the solder temperature is less than 260 °C.



Not to scale

Dimensions in mm

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Mouser Electronics

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B88069X6710C253

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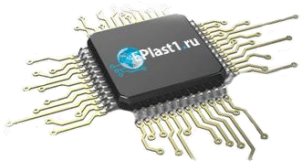
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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