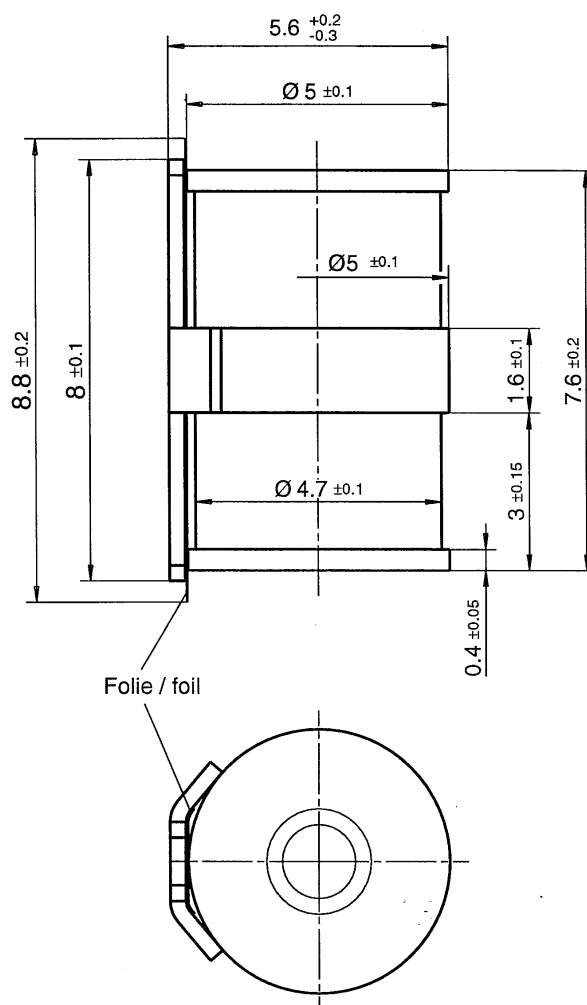


**Surge Arrester**
**T90-A230XF**
**3-Electrode-Arrester**
**Ordering code: B88069X6710C253**

DC spark-over voltage <sup>1) 2) 3)</sup>	184 ... 276	V
DC spark-over voltage <sup>2) 4)</sup>	176 ... 550	V
Impulse spark-over voltage		
at 100 V/μs   - for 99 % of measured values <sup>3)</sup>	< 650	V
- for 50 % of measured values <sup>3)</sup>	< 550	V
at 1 kV/μs   - for 99 % of measured values <sup>3)</sup>	< 800	V
- for 50 % of measured values <sup>3)</sup>	< 700	V
Insulation resistance at 100 V <sub>dc</sub> <sup>3)</sup>	> 1	GΩ
Capacitance at 1 MHz <sup>3)</sup>	< 1.5	pF
Impulse life		
300 operations      10/1000 μs <sup>5)</sup>	200	A
Nominal impulse discharge current		
10 operations      8/20 μs <sup>5)</sup>	5	kA
10 operations      8/20 μs <sup>6)</sup>	5	kA
Nominal alternating discharge current		
10 operations      50 Hz; 1 s <sup>5)</sup>	5	A <sub>rms</sub>
10 operations      50 Hz; 1 s <sup>6)</sup>	5	A <sub>rms</sub>
DC hold-over voltage <sup>8)</sup>		
at 52 V <sub>dc</sub> / 260 Ω	< 150	ms
at 80 V <sub>dc</sub> / 330 Ω	< 150	ms
at 135 V <sub>dc</sub> / 1300 Ω	< 150	ms
Activation after reflow soldering <sup>7)</sup>		
1 operation      U <sub>RMS</sub> = 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	<b>EPCOS</b> <b>230 YY O</b> 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  $> 260\text{ }^{\circ}\text{C}$ . The arrester has to be fixed mechanically, if the arrester is contacted by soldering and if the solder temperature is less than  $260\text{ }^{\circ}\text{C}$ .



*Not to scale*

*Dimensions in mm*

*Non controlled document*

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