Surge Arrester

3-Electrode-Arrester

Series/Type:	**T90-A170XFSMD**
Ordering code:	**B88069X5910T902**
Date:	21.07.2004
Version:	Issue 02

Important notes

The following applies to all products named in this publication:

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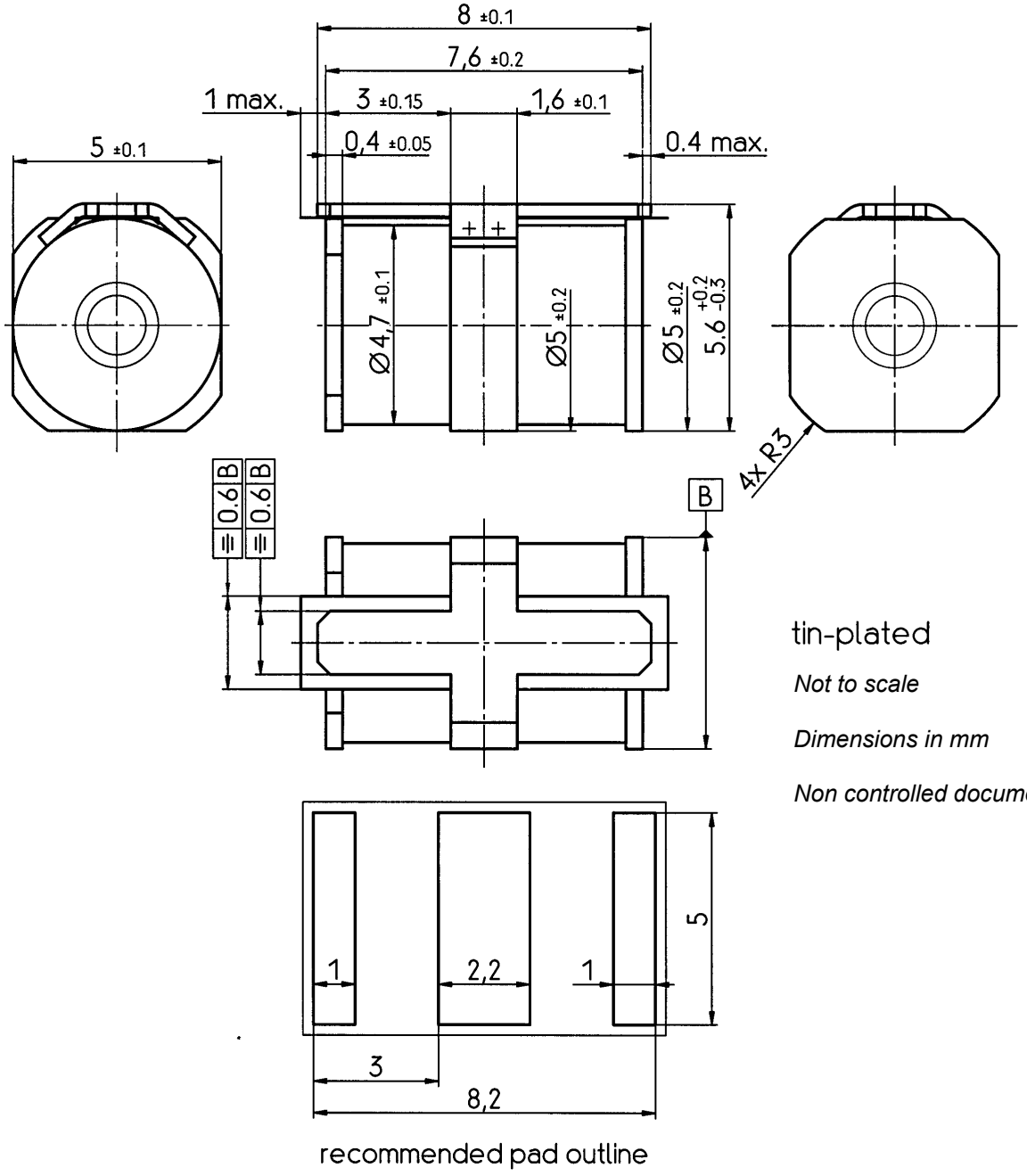
DC spark-over voltage [1) 2) 4)]	170 ± 18	V %
Impulse spark-over voltage [4)] at 100 V/µs - for 99 % of measured values - typical values of distribution at 1 kV/µs - for 99 % of measured values - typical values of distribution	 < 550 < 450 < 700 < 600	 V V V V
Nominal impulse discharge current (wave 8/20 µs) [5)]	5	kA
Nominal alternating discharge current (50 Hz, 1 s) [5)]	5	A
Insulation resistance at 100 V_{dc} [4)]	> 1	GΩ
Capacitance at 1 MHz [4)]	< 1.5	pF
Transverse delay time [3)]	< 0.2	µs
Arc voltage at 1 A Glow to arc transition current Glow voltage	~ 10 ~ 1 ~ 60	V A V
Weight	~ 0,8	g
Storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, blue	**EPCOS** **170 YY O** 170 - 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) Test according to ITU-T Rec. K.12
4) Tip or ring electrode to center 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

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

The arrester failsafe mechanism contains a insulating foil with a melting temperature of 260 °C.

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.



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Тел: +7 (812) 336 43 04 (многоканальный)
Email: org@lifeelectronics.ru

www.lifeelectronics.ru