EPCOS

Surge Arrester **T90-A90XFSMD**

3-Electrode-Arrester **Ordering code: B88069X4051T902**

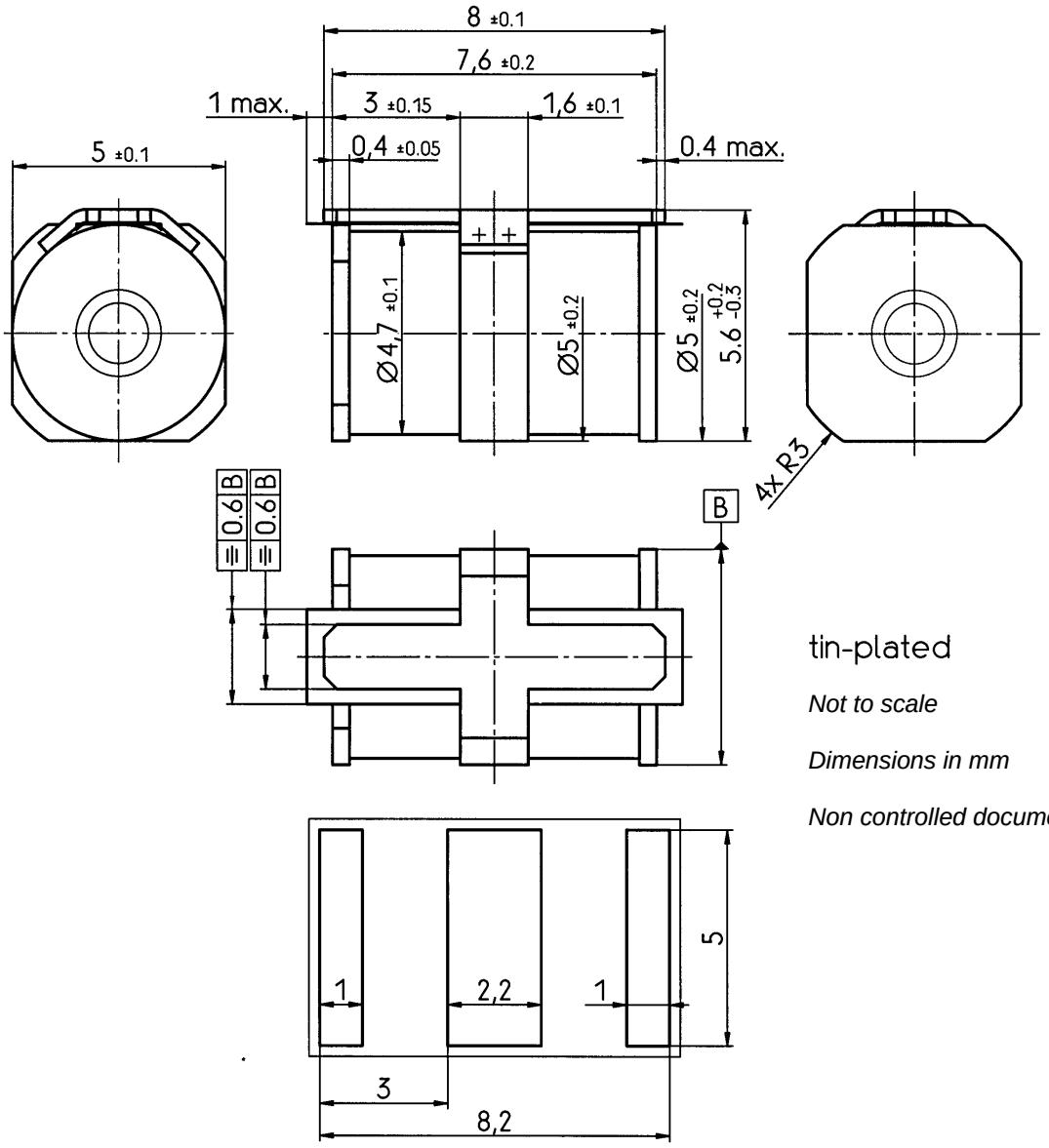
DC spark-over voltage [1) 2) 4)]	90 ± 20	V %
Impulse spark-over voltage [4)] at 100 V/µs - for 99 % of measured values [6)] - typical values of distribution [6)] at 1 kV/µs - for 99 % of measured values [6)] - typical values of distribution [6)]	 < 550 < 450 < 700 < 600	 V V V V
Nominal impulse discharge current (wave 8/20 µs) [5) 6)]	5	kA
Nominal alternating discharge current (50 Hz, 1 s) [5) 6)]	5	A
Insulation resistance at 50 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** **90 YY O** 90 - 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) under test

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.

The arrester failsafe 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.



recommended pad outline

SMD-Gurtverpackung nach IEC 60286-3 /
Tape and reel packing comply with the specification of IEC 60286-3