

DC spark-over voltage <sup>1) 2) 4)</sup>	90 ± 20	V %
Impulse spark-over voltage <sup>4)</sup> at 100 V/μs - for 99 % of measured values <sup>6)</sup> - typical values of distribution <sup>6)</sup>	< 550 < 450	V V
at 1 kV/μs - for 99 % of measured values <sup>6)</sup> - typical values of distribution <sup>6)</sup>	< 700 < 600	V V
Nominal impulse discharge current (wave 8/20 μs) <sup>5) 6)</sup>	5	kA
Nominal alternating discharge current (50 Hz, 1 s) <sup>5) 6)</sup>	5	A
Insulation resistance at 50 V <sub>dc</sub> <sup>4)</sup>	> 1	GΩ
Capacitance at 1 MHz <sup>4)</sup>	< 1.5	pF
Transverse delay time <sup>3)</sup>	< 0.2	μs
Arc voltage at 1 A	~ 10	V
Glow to arc transition current	~ 1	A
Glow voltage	~ 60	V
Weight	~ 0.8	g
Storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, blue	<b>EPCOS</b> <b>90 YY O</b> 90 - Nominal voltage YY - Year of production O - Non radioactive	

<sup>1)</sup> At delivery AQL 0.65 level II, DIN ISO 2859

<sup>2)</sup> In ionized mode

<sup>3)</sup> Test according to ITU-T Rec. K.12

<sup>4)</sup> Tip or ring electrode to center electrode

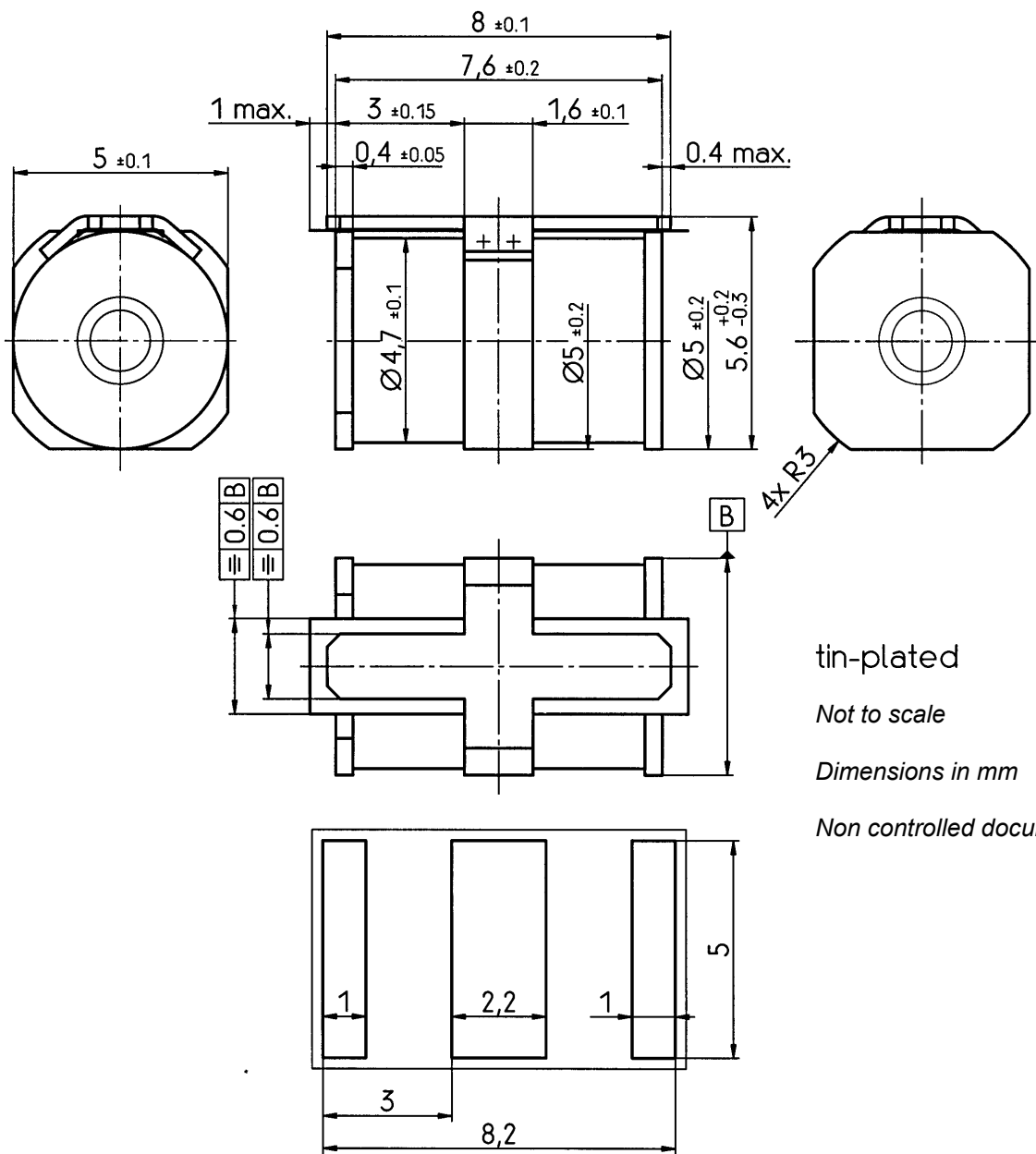
<sup>5)</sup> Total current through center electrode, half value through tip respectively ring electrode.

<sup>6)</sup> 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.



tin-plated

Not to scale

Dimensions in mm

Non controlled document

recommended pad outline

SMD-Gurtverpackung nach IEC 60286-3 /

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

© EPCOS AG 2002. Reproduction, publication and dissemination of this data sheet, enclosures hereto and the information contained therein without EPCOS' prior express consent is prohibited.

Purchase orders are subject to the General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry recommended by the ZVEI (German Electrical and Electronic Manufacturers' Association), unless otherwise agreed.