

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
Operation and 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

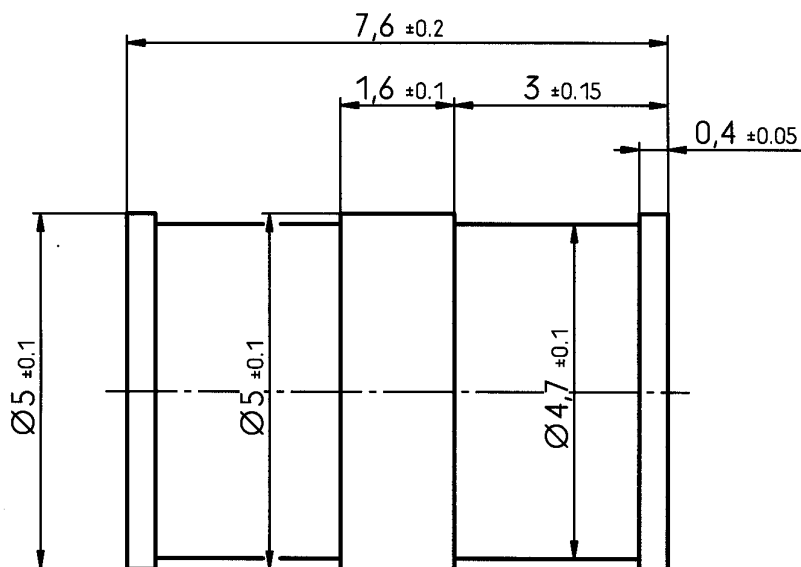
<sup>3)</sup> Test according to ITU-T Rec. K.12

<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



tin-plated

*Not to scale**Dimensions in mm**Non controlled document*

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