

Surge Arrester

T90-A420XSMD

3-Electrode-Arrester

Ordering code: B88069X2670T103

Preliminary data

DC spark-over voltage ^{1) 2) 4)}	357 ... 525	V
DC spark-over voltage ^{2) 5)}	357 ... 1200	V
Impulse spark-over voltage		
at 1 kV/μs - for 99 % of measured values ⁴⁾	< 1200	V
- typical values of distribution ⁴⁾	< 1000	V
at 1 kV/μs - for 99 % of measured values ⁵⁾	< 2200	V
- typical values of distribution ⁵⁾	< 1800	V
Nominal impulse discharge current (wave 8/20 μs) ⁶⁾	5	kA
Single impulse discharge current (wave 10/350 μs) ⁶⁾	1	kA
Nominal alternating discharge current (50 Hz, 1 s) ⁶⁾	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	~ 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	EPCOS 420 YY O 420 - Nominal voltage YY - Year of production O - Non radioactive	

¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859

²⁾ In ionized mode

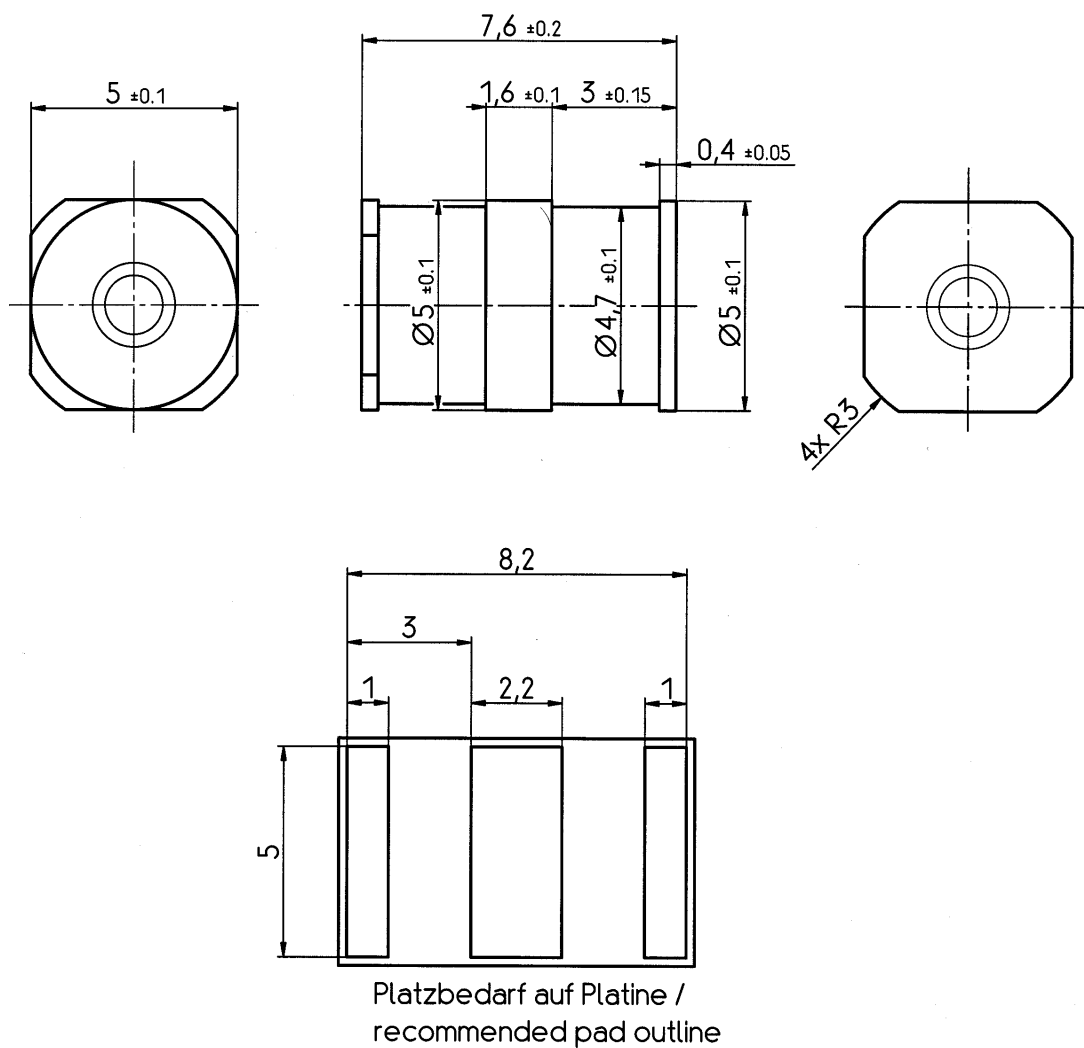
³⁾ Test according to ITU-T Rec. K.12

⁴⁾ Tip or ring electrode to center electrode

⁵⁾ Tip to ring electrode

⁶⁾ Total current through center electrode, half value through tip respectively ring electrode

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

Preliminary data


Not to scale

Dimensions in mm

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