

Surge arrester

3-electrode arrester

 Series/Type:
 T90-A350XSMD

 Ordering code:
 B88069X4030T902

 Version/Date:
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3-electrode arrester T90-A350XSMD

Preliminary data

Features	Applications
Very small size	Line protection
 Fast response time 	Station protection
 High current rating 	Base stations
 Stable performance over life 	
 Extremely low capacitance 	
 High insulation resistance 	
Excellent SMD handling	
 RoHS-compatible 	

Electrical specifications

DC spark-over voltage 1) 2) 4)		350 ± 20	V %
Impulse apark over v	oltogo 4)	± 20	70
Impulse spark-over voltage ⁴⁾ at 100 V/µs - for 99 % of measured values - typical values of distribution		< 850 < 750	V
at 1 kV/μs	for 99 % of measured valuestypical values of distribution	< 1000 < 850	V
Service life			
10 operation	ons 50 Hz; 1 s ⁵⁾	5	A_{rms}
1 operation	on 50 Hz; 0.18 s (9 cycles) 5)	10	A_{rms}
10 operation		5	kA
1 operation	n 8/20 µs ⁵⁾	10	kA
Insulation resistance	at 100 V _{dc} ⁴⁾	> 1	$G\Omega$
Capacitance at 1 MH	z ⁴⁾	< 1	pF
Transverse delay time 4)		< 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
Operation and storage temperature		-40 +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	
Marking, blue negative		EPCOS 350 YY O 350 - Nominal voltage YY - Year of production O - Non radioactive	

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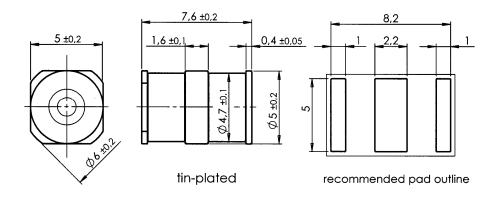
3-electrode arrester T90-A350XSMD

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- 1) At delivery AQL 0.65 level II, DIN ISO 2859
- 2) In ionized mode
- 3) Test according to ITU-T Rec. K.12
- Tip or ring electrode to center electrode
- 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

Dimensional drawing



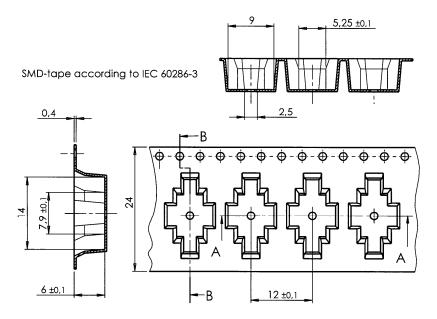
Not to scale

Dimensions in mm

Non controlled document

Packing advice

T902 = SMD-tape with 900 pcs



Cautions and warnings

- Surge arresters must not be operated directly in power supply networks.
- Surge arresters may become hot in case of longer periods of current stress (danger of burning).
- Surge arresters may be used only within their specified values. In case of overload, the head contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.

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