

Surge arrester

3-electrode arrester

 Series/Type:
 T90-A350XSMD

 Ordering code:
 B88069X4030T902

 Version/Date:
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Surge arrester B88069X4030T902

3-electrode arrester T90-A350XSMD

Features

- Very small size
- Fast response time
- High current rating
- Stable performance over life
- Extremely low capacitance
- High insulation resistance
- Excellent SMD handling
- RoHS-compatible

Applications

- Line protection
- Station protection
- Base stations

Electrical specifications

DC spark-over voltage	2 1) 2) 3)		350 ± 20	V %
Impulse spark-over voltage ³⁾ at 100 V/µs - for 99% of measured values - typical values of distribution			< 850 < 750	V
at 1 kV/µs		neasured values es of distribution	< 1000 < 850	V
Service life				
10 operations		50 Hz; 1 s ⁴⁾	10	Α
1 operation		50 Hz; 0.18 s (9 cycles) 4)	10	Α
10 operations [5x (+) & 5x (-)]		8/20 µs ⁴⁾	10	kA
1 operation		10/350 μs ⁴⁾	1	kA
300 operations		10/1000 μs ⁴⁾	200	kA
Insulation resistance at 100 V _{DC} 3)			> 1	$G\Omega$
Capacitance at 1 MHz ³⁾			< 1.5	pF
Transverse delay time 5)			< 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	

Remarks on next page

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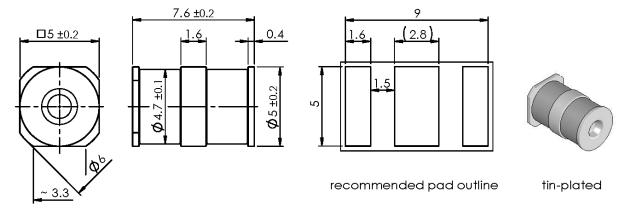
3-electrode arrester

T90-A350XSMD

- 1) At delivery AQL 0.65 level II, DIN ISO 2859
- 2) In ionized mode
- 3) Tip or ring electrode to center electrode
- ⁴⁾ Total current through center electrode, half value through tip respectively ring electrode.
- 5) Test according to ITU-T Rec. K.12

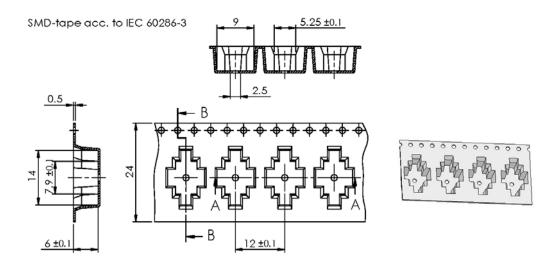
Terms in accordance with ITU-T Rec. K.12; IEC 61663-2 and IEC 61643-311.

Dimensional drawing in mm



Ordering code and packing advice

B88069X4030**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 lead contacts may fail or the component may be destroyed.

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