

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Surge arrester

3-electrode arrester

 Series/Type:
 T90-A350XSMD

 Ordering code:
 B88069X4030T902

 Version/Date:
 Issue 04 / 2013-03-27

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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	e ^{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	- for 99% of measured values - typical values of distribution	< 1000 < 850	V	
Service life 10 operations 1 operations 10 operations 1 operations 300 operations Insulation resistance	50 Hz; 0.18 s (9 c) 8 [5× (+) & 5× (-)] 8/20 μs ⁴⁾ 10/350 μs ⁴⁾ 10/1000 μs ⁴⁾	10 10 10 10 1 200 > 1	A A kA kA kA	
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	40/ 90/ 21	
Marking, blue negative		YY - Year of prod	350 YY O 350 - Nominal voltage YY - Year of production	

Remarks on next page

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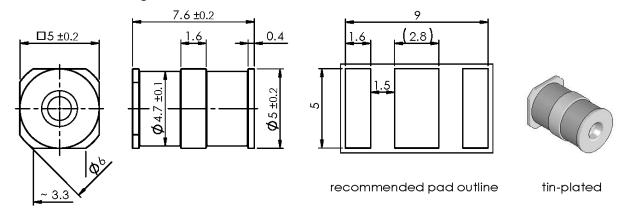
3-electrode arrester

T90-A350XSMD

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

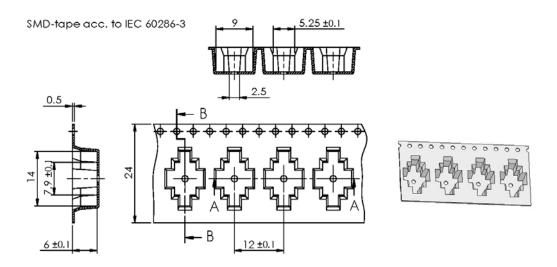
Terms in accordance with ITU-T Rec. K.12; IEC 61663-2 and IEC 61643-311.

Dimensional drawing in mm



Ordering code and packing advice

B88069X4030T902 = 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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