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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: T83-A150X

Ordering code: B88069X9590B502

Version/Date: Issue 04 / 2006-06-22

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B88069X9590B502 Surge arrester

3-electrode arrester T83-A150X

Features	Applications
 Standard size 	Line protection
 Fast response time 	Station protection
 Very high current rating 	Base stations
 Stable performance over life 	
 Very low capacitance 	
 High insulation resistance 	
 RoHS-compatible 	

Electrical specifications

DC spark-over voltage 1) 2) 4)		150 ± 20	V %
Impulse spark-over v at 100 V/μs	oltage ⁴⁾ - for 99 % of measured values - typical values of distribution	< 450 < 400	V
at 1 kV/μs	for 99 % of measured valuestypical values of distribution	< 550 < 500	V
Nominal impulse discharge current (wave 8/20 μs) ⁵⁾ Single impulse discharge current (wave 8/20 μs) ⁵⁾		10 15	kA kA
Nominal alternating discharge current (50 Hz, 1 s) ⁵⁾ Alternating discharge current (50 Hz, 9 cycles) ⁵⁾		10 40	A A
Insulation resistance at 100 V _{dc} ⁴⁾		> 10	GΩ
Capacitance at 1 MHz ⁴⁾		< 1.5	pF
Transverse delay time 3)		< 0.2	μs
Arc voltage at 1 A Glow to arc transition current Glow voltage		~ 10 ~ 1.0 ~ 60	V A V
Weight		~ 2	g
Operation and storage temperature		-40 +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	
Marking, red negative		EPCOS 150 YY O 150 - Nominal voltage YY - Year of production O - Non radioactive	

At delivery AQL 0.65 level II, DIN ISO 2859
In ionized mode

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

KB AB E / KB AB PM

Test according to ITU-T Rec. K.12

⁴⁾ Tip or ring electrode to center electrode

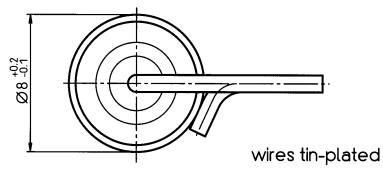
Total current through center electrode, half value through tip respectively ring electrode.



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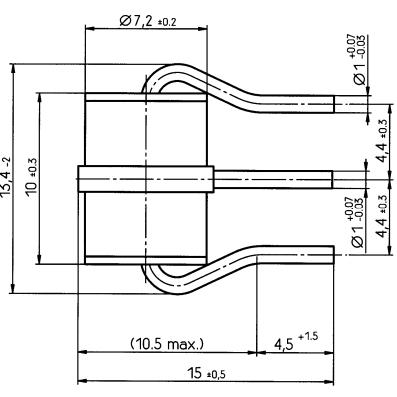
Dimensional drawing



Not to scale

Dimensions in mm

Non controlled document



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.
- Damaged surge arresters must not be re-used.

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The following applies to all products named in this publication:

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