

Surge arrester

2-electrode arrester

Series/Type:M50-A230XSMDOrdering code:B88069X5220T902Version/Date:Issue 08 / 2007-04-18

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Surge arrester

2-electrode arrester

B88069X5220T902 M50-A230XSMD

Features	Applications	
 Very small size 	 Branch exchange 	
 High current rating 	 Line protection 	
 Very fast response time 	 Subscriber protection 	
 Stable performance over life 	 Alarm system 	
 Very low capacitance 		
 High insulation resistance 		
 Excellent SMD handling 		
 RoHS-compatible 		

Electrical specifications

DC spark-over voltage ^{1) 2)}		230 ± 20	V %
Impulse spark-over v	oltage		
at 100 V/µs	 - for 99 % of measured values - typical values of distribution 	< 550 < 500	V V
at 1 kV/µs	 for 99 % of measured values typical values of distribution 	< 650 < 600	V V
Service life			
10 operation	s 50 Hz, 1 s	5	A
1 operation	50 Hz, 0.18 s (9 cycles)	10	A
10 operation	s 8/20 µs	5	kA
1 operation	8/20 µs	10	kA
1 operation	10/350 µs	0.5	kA
Insulation resistance	at 100 V _{dc}	> 1	GΩ
Capacitance at 1 MH	Z	< 1	pF
Arc voltage at 1 A Glow to arc transition current Glow voltage		~ 15 ~ 0.5 ~ 60	V A V
Weight		~ 1	g
Operation and storage temperature		-40 +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	
Marking, blue negative		EPCOS 230 YY O230- Nominal voltageYY- Year of productionO- Non radioactive	

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

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

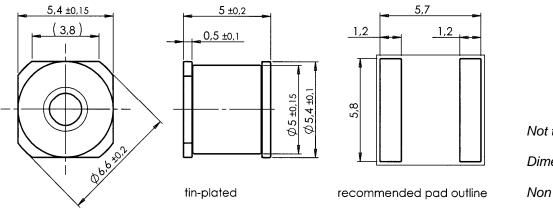


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Dimensional drawing



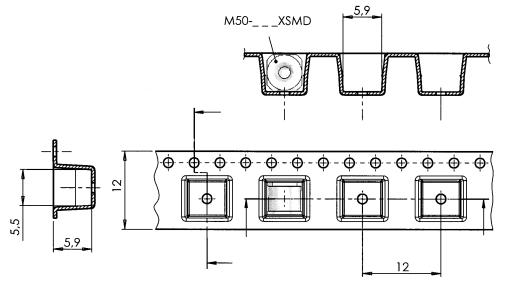
Not to scale

Dimensions in mm

Non controlled document

Packing advice

T902 = 900 pcs on SMD-tape



SMD-tape according to IEC 60286-3

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.

KB AB E / KB AB PM



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