

Surge arrester

2-electrode arrester

B88069X1640xxxx ^{a)} M50-C90XSMD

Features	Applications
 Very small size 	 Modem
 High current rating 	 XDSL-splitter
 Very fast response time 	 Data lines
 Stable performance over life 	Tuner
 Very low capacitance 	 Antenna
 High insulation resistance 	
 Excellent SMD handling 	
 RoHS-compatible 	

Electrical specifications

DC spark-over voltage ^{1) 2)}	90 ± 20	V %	
Impulse spark-over voltage at 100 V/µs - for 99 % of measured va - typical values of distribut		V V	
at 1 kV/µs - for 99 % of measured va - typical values of distribut		V V	
Service life			
10 operations 50 Hz, 1 s	5	А	
1 operation 50 Hz, 0.18 s (9 cycle	s) 10	А	
10 operations 8/20 µs	5	kA	
1 operation 8/20 µs	10	kA	
1 operation 10/350 µs	0.5	kA	
300 operations 10/1000 µs	100	А	
Insulation resistance at 50 V_{dc}	> 1	GΩ	
Capacitance at 1 MHz	< 1	pF	
Arc voltage at 1 A Glow to arc transition current Glow voltage	~ 15 ~ 0.8 ~ 60	V A V	
Weight	~ 1	g	
Operation and storage temperature	-40 +90	°C	
Climatic category (IEC 60068-1)	40/ 90/ 21	40/ 90/ 21	
Marking, blue negative		90 - Nominal voltage YY - Year of production	

xxxx = T902 (900 pcs on SMD tape) B203 (2000 pcs on trays)

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

²⁾ In ionized mode

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

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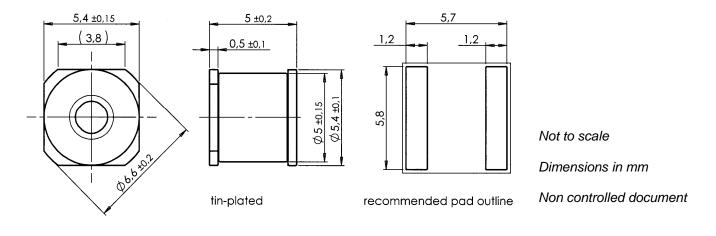


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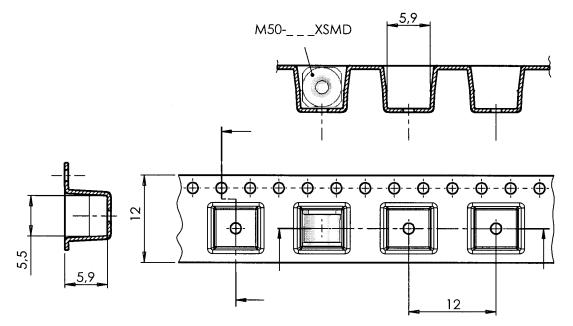
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Dimensional drawing



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.

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