

Surge arrester

2-electrode arrester

Series/Type: M50-A350XSMD Ordering code: B88069X3770T902

Version/Date: Issue 05 / 2007-04-19

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2-electrode arrester	M50-A350XSMD
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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)		350	V
		± 20	%
Impulse spark-over ve	oltage		
at 100 V/µs	- for 99 % of measured values	< 800	V
	 typical values of distribution 	< 750	V
at 1 kV/µs	- for 99 % of measured values	< 900	V
·	 typical values of distribution 	< 800	V
Service life			
10 operations	s 50 Hz, 1 s	5	Α
1 operation	50 Hz, 0.18 s (9 cycles)	10	Α
10 operations	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	$G\Omega$
Capacitance at 1 MH	z	< 1	pF
Arc voltage at 1 A		~ 15	V
Glow to arc transition current		~ 0.5	Α
Glow voltage		~ 60	V
Weight		~ 1	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	

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

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

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²⁾ In ionized mode

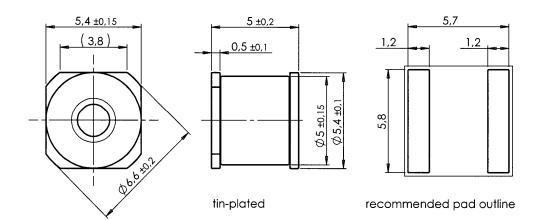


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Dimensional drawing



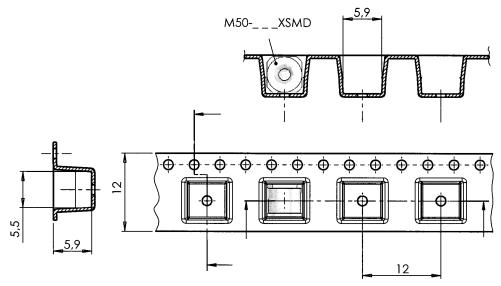
Not to scale

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.

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