



Surge arrester

2-electrode arrester

Series/Type: M50-H14XSMD
Ordering code: B88069X8841T902
Version/Date: Issue 01 / 2009-07-30

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Features	Applications
<ul style="list-style-type: none"> ▪ Very small size ▪ Very fast response time ▪ Very low capacitance ▪ High insulation resistance ▪ Excellent SMD handling ▪ RoHS-compatible 	<ul style="list-style-type: none"> ▪ Ignition unit

Electrical specifications

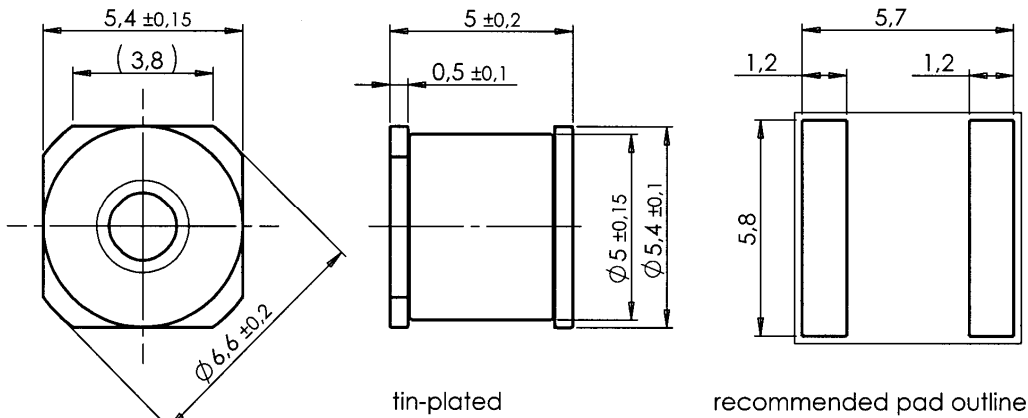
DC spark-over voltage ^{1) 2) 3)}	1200 ... 1600	V
Impulse spark-over voltage at 100 V/μs - for 99 % of measured values - typical values of distribution	< 2500 < 2400	V V
Service life 1 operation 8/20 μs	2.5	kA
Insulation resistance at 100 V _{dc}	> 10	GΩ
Capacitance at 1 MHz	< 1	pF
Weight	~ 1	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, blue positive	EPCOS 1400 YY O 1400 - Nominal voltage YY - Year of production O - Non radioactive	

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

²⁾ In ionized mode

³⁾ The first DC spark-over value immediately after changing polarity shall not be considered.

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

Dimensional drawing


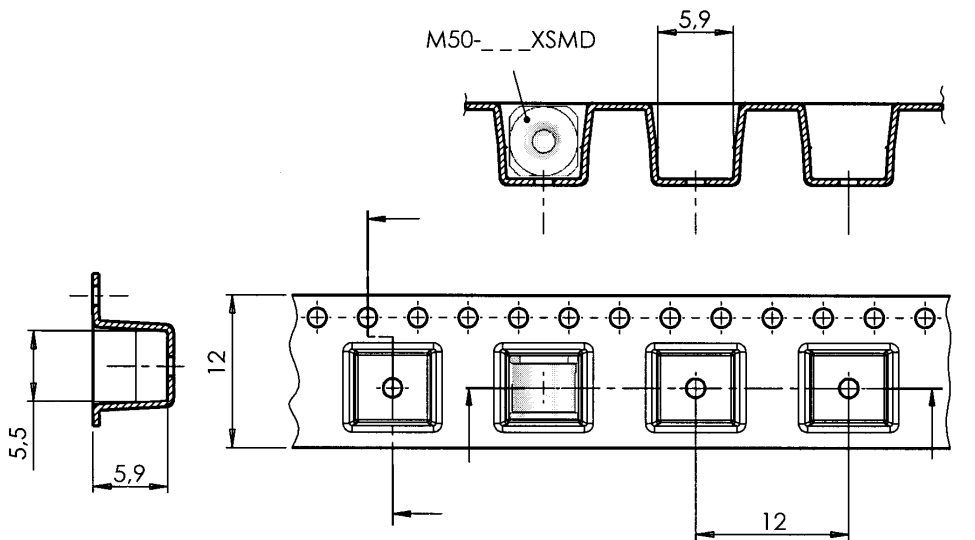
Not to scale

Dimensions in mm

Non controlled document

Packing advice

T902 = 900 pcs in 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.

Important notes

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1. Some parts of this publication contain **statements about the suitability of our products for certain areas of application**. These statements are based on our knowledge of typical requirements that are often placed on our products in the areas of application concerned. We nevertheless expressly point out **that such statements cannot be regarded as binding statements about the suitability of our products for a particular customer application**. As a rule we are either unfamiliar with individual customer applications or less familiar with them than the customers themselves. For these reasons, it is always ultimately incumbent on the customer to check and decide whether a product with the properties described in the product specification is suitable for use in a particular customer application.
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