



Surge arrester

Stacked surge arrester

Series/Type: LN8A-A1200DC-4
Ordering code: B88069X2003T152
Version/Date: Issue 01 / 2013-02-06

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B88069X2003T152

Stacked surge arrester

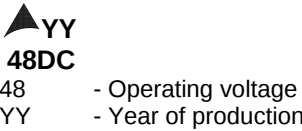
LN8A-A1200DC-4

Features

- Fast response time
- High current rating
- Stable performance over life
- Very low capacitance
- High insulation resistance
- Excellent SMD handling
- RoHS-compatible

Applications

- DC power supply protection 48 V

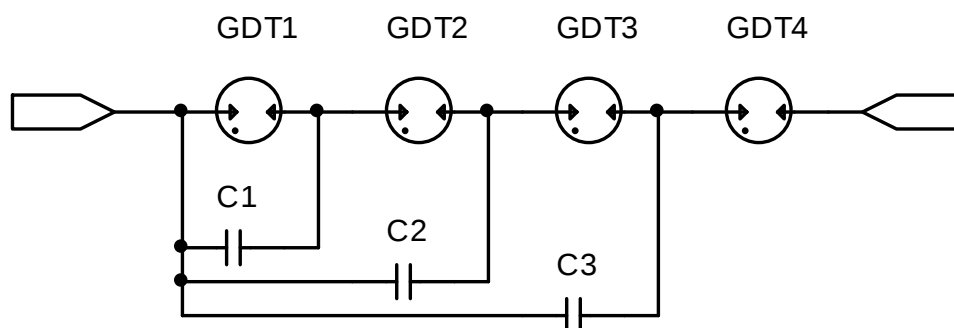
Electrical specifications	Arrester only	w. capacitors ²⁾	Unit
DC spark-over voltage ¹⁾	1200 ± 30	< 1200	V %
Front of wave spark-over voltage at 6 kV, 1.2/50 µs			
- initial	< 2000	< 850	V
- after service life	< 3300	< 1600	V
DC operating voltage	48 ± 20		V _{DC} %
Service life			
10 operations [5× (+) & 5× (-)]	8/20 µs	20	kA
10 operations [5× (+) & 5× (-)]	10/350 µs	4	kA
100 operations [50× (+) & 50× (-)]	10/350 µs	500	A
300 operations (+/- alternating polarity)	10/1000 µs	100	A
Insulation resistance at 100 V _{DC}	> 10		GΩ
Capacitance at 1 MHz	< 1		pF
Weight	~ 5.0		g
Operation and storage temperature	-40 ... +90		°C
Climatic category (IEC 60068-1)	40/ 90/ 21		
Marking, red positive			

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

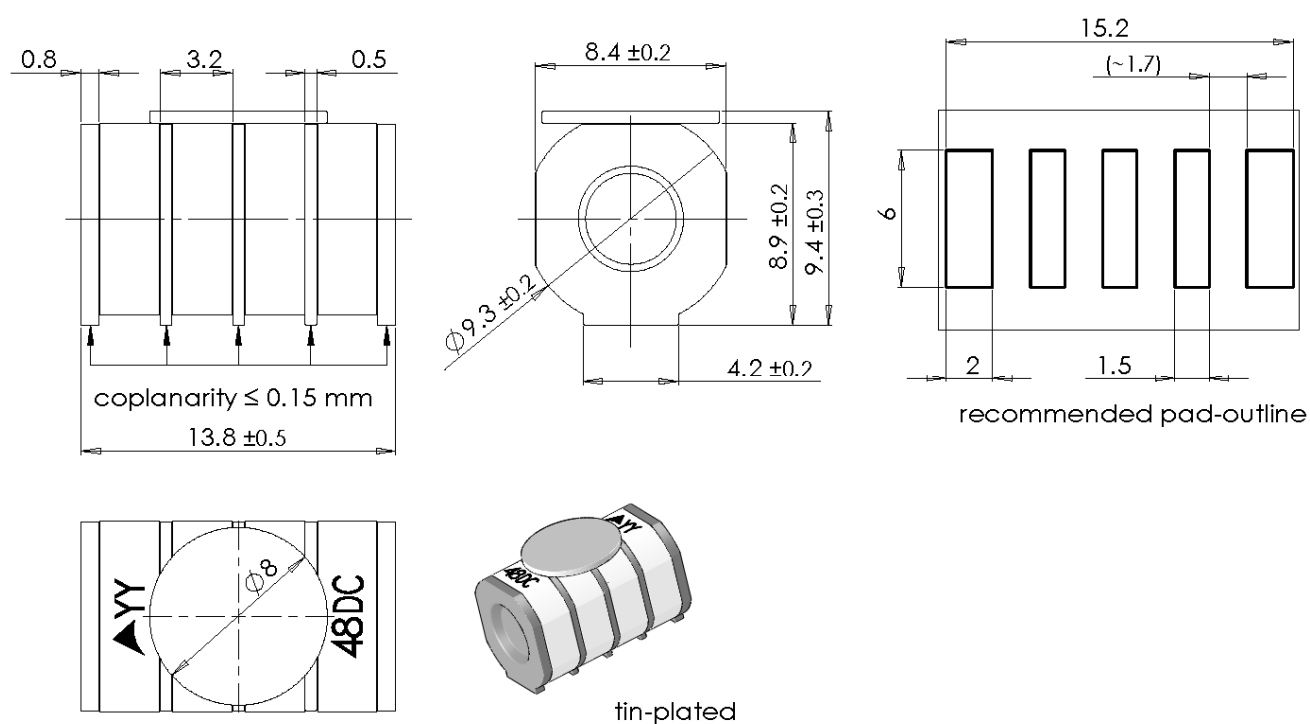
²⁾ Refer to circuit diagram on page 3

Terms in accordance with IEC 61643-11.

Circuit diagram (C1 to C3 =100 pF capacitors)

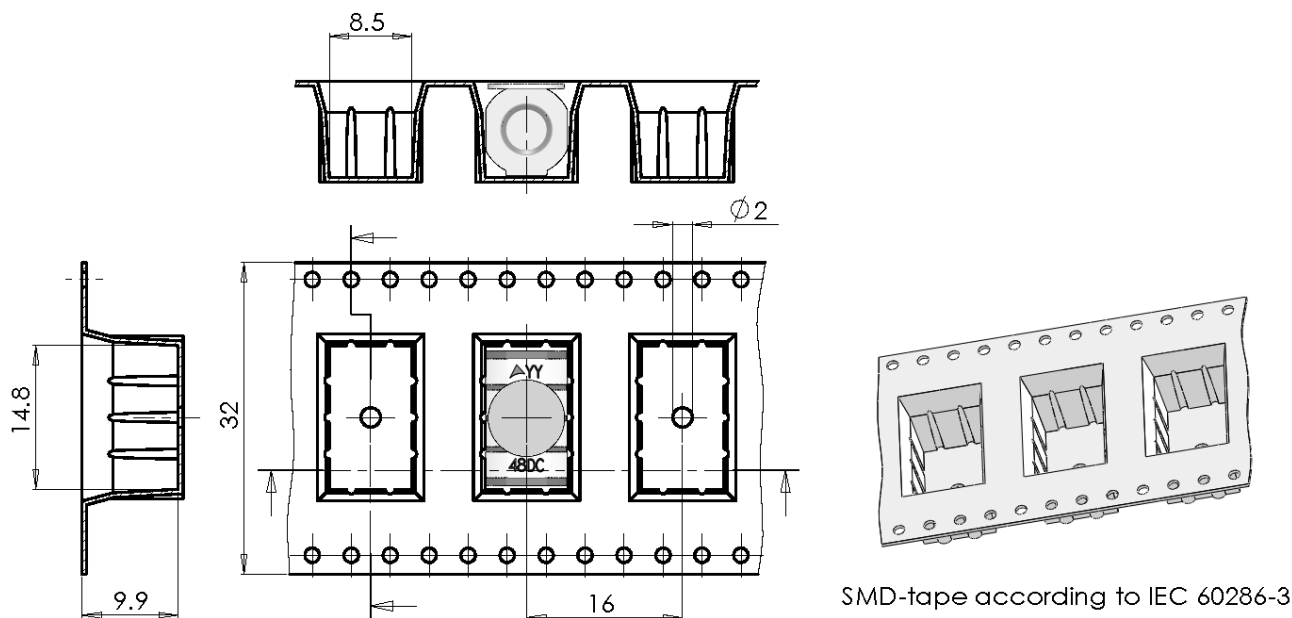


Dimensional drawing in mm



Ordering code and packing advice

B88069X2003T152 = 150 pcs. on SMD-tape and reel



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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