Surge arrester

2-electrode arrester

Series/Type: **G31-A200X**
Ordering code: **B88069X8801******
Version/Date: Issue 03 / 2011-04-26

Features

- Extremely small size
- Very fast response time
- Stable performance over life
- Very low capacitance
- High insulation resistance
- RoHS-compatible

Applications

- ESD protection
- Applications with limited space

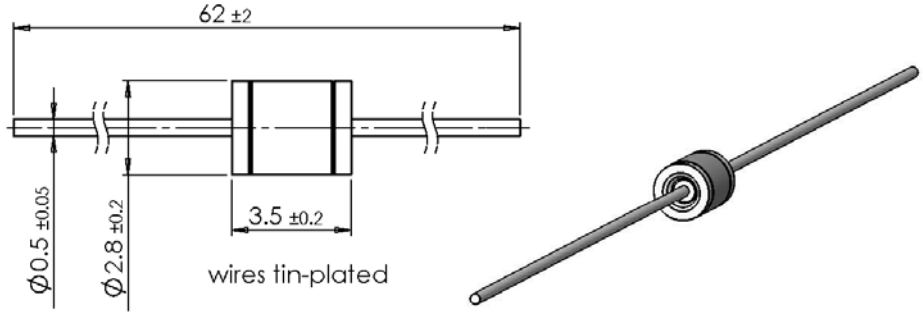
Electrical specifications

DC spark-over voltage [1) 2)]	200 ± 20	V %
Impulse spark-over voltage		
at 100 V/µs - for 99 % of measured values	< 750	V
at 100 V/µs - typical values of distribution	< 500	V
at 1 kV/µs - for 99 % of measured values	< 950	V
at 1 kV/µs - typical values of distribution	< 700	V
Service life [3)]		
10 operations [5× (+) & 5× (–)] 8/20 µs	1	kA
1 operation 8/20 µs	2	kA
Insulation resistance at 100 V_{DC}	> 1	GΩ
Capacitance at 1 MHz	< 0.5	pF
Arc voltage at 1 A Glow to arc transition current Glow voltage	~ 10 < 1.0 ~ 60	V A V
Weight	~ 0.2	g
Operation and storage temperature	-40 ... +125	°C
Climatic category (IEC 60068-1)	40/ 125/ 21	
Marking	without	

1) At delivery AQL 0.65 level II, DIN ISO 2859
2) In ionized mode
3) Tests according to ITU-T Rec. K. 12 and UL 497B

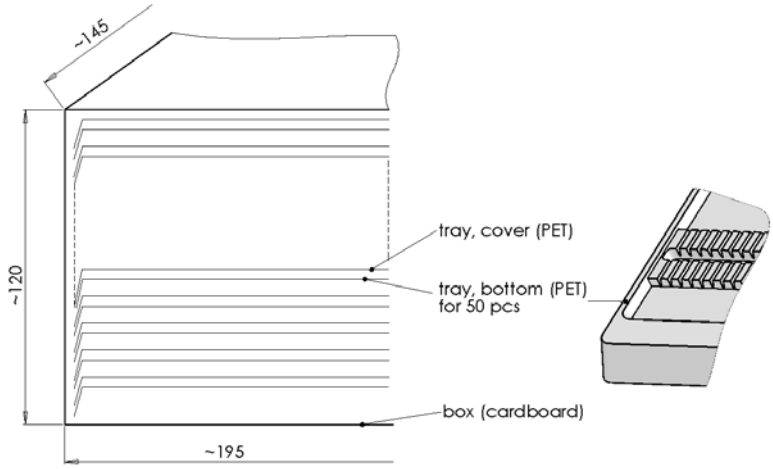
Terms and current waveforms in accordance with: ITU-T Rec. K. 12; IEC 61643-21 and DIN 57845 / VDE0845

Dimensional drawing in mm

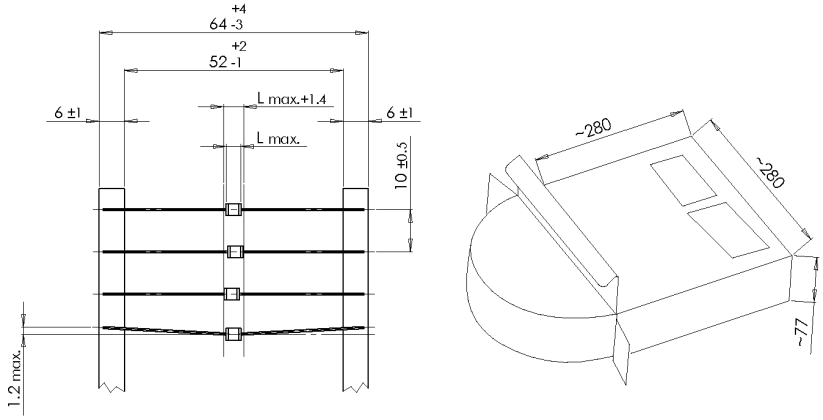


Ordering code and packing advices

*B88069X8801**B502** = 500 pcs. on trays*



*B88069X8801**T103** =1000 pcs. on 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 head contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.

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