



Surge arrester

2-electrode arrester

Series/Type: S20-A200X
Ordering code: B88069X9731T303
Version/Date: Issue 01 / 2010-11-09

Features

- Extremely small size
- Fast response time
- Stable performance over life
- Very low capacitance
- High insulation resistance
- Excellent SMD handling
- RoHS-compatible

Applications

- PCI cards
- Modem
- Splitter
- Line cards
- Applications with limited space

Electrical specifications

| | | |
|--|-------------|--------|
| DC spark-over voltage ^{1) 2)} | 200 ± 30 | V % |
| Impulse spark-over voltage at 100 V/μs - typical values of distribution | < 700 | V |
| at 1 kV/μs - typical values of distribution | < 800 | V |
| Service life ³⁾ 10 operations [5x (+) & 5x (-)] 8/20 μs | 0.5 | kA |
| Insulation resistance at 100 V _{DC} | > 1 | GΩ |
| Capacitance at 1 MHz | < 1 | pF |
| Arc voltage at 1 A | ~ 10 | V |
| Glow to arc transition current | < 1.0 | A |
| Glow voltage | ~ 60 | V |
| Weight | ~ 0.05 | g |
| Operation and storage temperature | -40 ... +90 | °C |
| Climatic category (IEC 60068-1) | 40/ 90/ 21 | |
| Marking | without | |

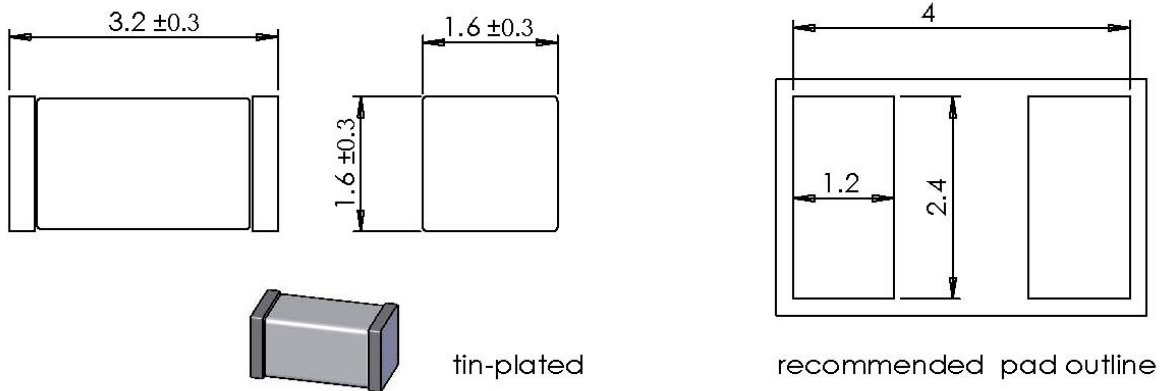
¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859

²⁾ In ionized mode

³⁾ Tests according to ITU-T Rec. K. 12 and UL 497B

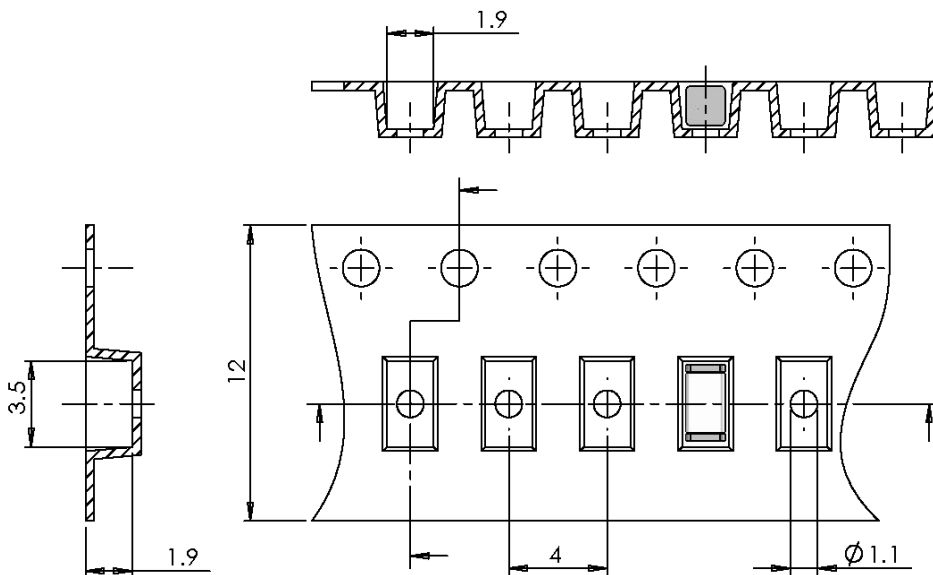
Terms and current waveforms in accordance with: ITU-T Rec. K. 12; IEC 61643-21 and DIN 57845 / VDE0845

Dimensional drawing in mm



Ordering code and packing advice

B88069X9731T303 = 3000 pcs on SMD tape



Cautions and warnings

- Surge arresters must not be operated directly in power supply networks.
- Surge arresters may become hot in the event of longer periods of current stress (danger of burning).
- Surge arresters may be used only within their specified values. In the event 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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