

# 1206 Fast Acting Line Voltage SMD Fuses

## 12.300 Series



### Description

12.300 Series are the fuses set the industry standard for performance, reliability and quality. The solder-free design provides excellent on-off and temperature cycling characteristics during use and also makes our SMD fuses more heat and shock tolerant than typical subminiature fuses.



| Electrical Characteristics |             |            |
|----------------------------|-------------|------------|
| Rated Current              | 1.0In       | 2.5In      |
| 250mA ~ 5A                 | 4 hour min. | 5 sec max. |

### Features

- Rapid interruption of excessive current
- Compatible with reflow and wave solder
- Excellent environmental integrity
- One time positive disconnect
- Lead Free and Halogen free material

### Specifications

| Specification |               |      |                   |                             |  |                           |   |               |      |   |
|---------------|---------------|------|-------------------|-----------------------------|--|---------------------------|---|---------------|------|---|
| Part No.      | Rated Voltage |      | Rated Current (A) | Breaking Capacity (A) AC/DC | Typical Cold Resistance (mOhms) <sup>2</sup> | Typical Voltage Drop (mV) | Typical Pre-Arcing I <sup>2</sup> t (A <sup>2</sup> Sec) <sup>3</sup> | Alpha Marking |      |   |
|               | AC            | DC   |                   |                             |  |                           |   |               |      |   |
| 12.300.0.25   | 125V          | 125V | 250mA             | 50A                         | 3608   | 1407                      | 0.0004  | .25           |      |   |
| 12.300.0.375  |               |      | 375mA             | 50A                         | 1882   | 718                       | 0.0008  | E             |      |   |
| 12.300.0.5    |               |      | 500mA             | 50A                         | 1028   | 650                       | 0.0022  | 0.5           |      |   |
| 12.300.0.75   |               |      | 750mA             | 50A                         | 601  | 616                       | 0.0057  | .75           |      |   |
| 12.300.1      |               |      | 1A                | 50A                         | 203  | 204                       | 0.03  | H             |      |   |
| 12.300.1.25   |               |      | 1.25A             | 50A                         | 165  | 184                       | 0.04  | ▲             |      |   |
| 12.300.1.5    |               |      | 1.5A              | 50A                         | 116  | 175                       | 0.09  | K             |      |   |
| 12.300.1.6    |               |      | 1.6A              | 50A                         | 80   | 150                       | 0.1   | ■             |      |   |
| 12.300.2      |               |      | 2A                | 50A                         | 70   | 145                       | 0.126   | N             |      |   |
| 12.300.2.5    |               |      | 2.5A              | 50A                         | 51   | 140                       | 0.23  | O             |      |   |
| 12.300.3      |               |      | 3A                | 50A                         | 32   | 130                       | 0.25  | P             |      |   |
| 12.300.3.5    |               |      | 72V               | 72V                         | 3.5A   | 50A                       | 25  | 120           | 0.23 | R |
| 12.300.4      |               |      |                   |                             | 4A   | 50A                       | 20  | 110           | 0.25 | S |
| 12.300.5      |               |      |                   |                             | 5A   | 50A                       | 18  | 100           | 0.30 | T |

\* DC Interrupting Rating (Measured at rated voltage, time constant of less than 50 microseconds, battery source)

\* DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25°C

\* Typical Pre-arching I<sup>2</sup>t are measured at 10In Current

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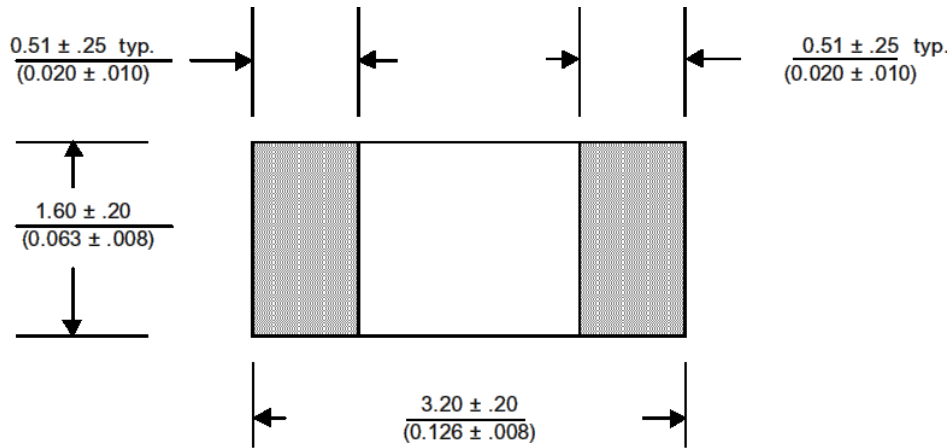
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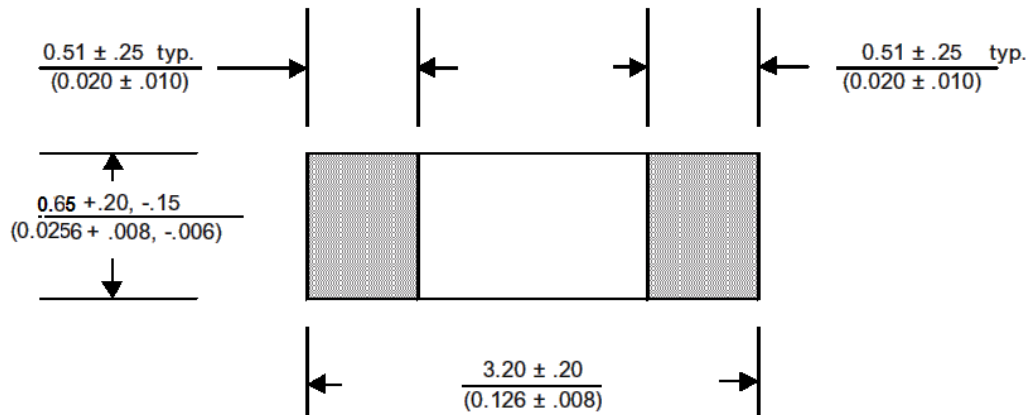
### Dimension

Drawing not to scale (Unit: mm)

#### Top view



#### Side view



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