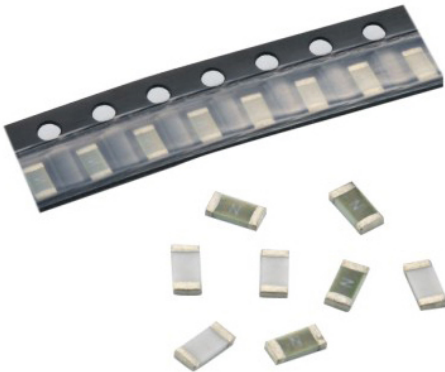


1206 Slow Blow SMD Fuses 12.100 Series



Description

12.100 Series slow-blow chip fuses help provide overcurrent protection for systems using DC power sources up to 72VDC. Help provide higher hold current in the smaller footprint, improve product reliability and quality, enhance high-temperature performance in a wide range of circuit designs.

Electrical Characteristics

| Rated Current | 1.0In | 2.5In | 3.0In | 10.0In |
|---------------|-------------|------------|---------------|----------------|
| 1A~7A | 4 hour min. | 5 sec max. | 0.1 sec -3sec | 0.2 sec -20sec |

Features

- Lead-Free and RoHS compliant
- High inrush current withstanding capability
- Compatible with reflow and wave solder
- Excellent environmental integrity
- One time positive disconnect
- Suitable for rated current of 1A-7A
- Operating temperature range -55°C to +125°C (consider de-rating)

Applications

- USB charger
- Laptops
- Digital cameras
- Cell phones
- Printers
- DVD players
- Portable electronics
- Game systems
- LCD monitors
- Scanners

Specification

| Part No. | Rated Voltage | | Rated Current (A) | Breaking Capacity (A) | Typical Cold Resistance (mOhms) ² | Typical Voltage Drop (mV) | Typical Pre-Arcing I ² t (A ² Sec) ³ | Alpha Mark |
|------------|--------------------|------------|-------------------|-----------------------|--|---------------------------|---|------------|
| | DC | | | | | | | |
| 12.100.1 | 63V 72V 125V | 32V 24V | 1 | 50A | 480 | 510 | 0.11 | H |
| 12.100.1.5 | | | 1.5 | 50A | 230 | 367 | 0.17 | K |
| 12.100.2 | | | 2 | 50A | 140 | 316 | 0.43 | N |
| 12.100.2.5 | | | 2.5 | 50A | 80 | 240 | 0.68 | O |
| 12.100.3 | | | 3 | 50A | 50 | 187 | 1.41 | P |
| 12.100.3.5 | | | 3.5 | 50A | 38 | 180 | 1.72 | R |
| 12.100.4 | | | 4 | 50A | 34 | 173 | 1.78 | S |
| 12.100.4.5 | | | 4.5 | 50A | 25 | 164 | 2.65 | X |
| 12.100.5 | | | 5 | 50A | 21.5 | 145 | 2.91 | T |
| 12.100.7 | | | 7 | 50A | 12.3 | 140 | 5.72 | 7 |
| 12.100.8 | - | - | 8 | 300A | 10 | 123 | 6.8 | M |
| 12.100.10 | - | - | 10 | 300A | 7 | 110 | 10.6 | U |

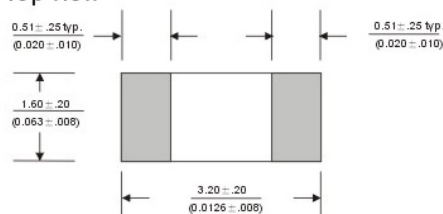
- DC Interrupting Rating (Measured at rated voltage, time constant of less than 50 microseconds, battery source)
- DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25degrees
- Typical Pre-arching I²t are measured at 10In Current

Dimension (Unit: mm/inch)

Packaging

3,000 pcs per reel

Top view



Side view

