

FEATURES

- Widely used in all kinds of battery packs
- High degree of inrush current capability
- Precise melting time
- Surface mount technology allows fuses to be directly attached to printed circuit boards
- Notebook Computer
Wireless Base Station
Networking
Telecom System
- Significant savings in weight and real estate
- RoHS / REACH / AEC-Q200

RS PRO, Fuse, Ceramic SMD LTCC Chip Fuse, Slow Blow, 1A-20A 125V, 1206

RS Stock No.: 2522166
2522167



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

Ceramic SMD LTCC Chip Fuse, Slow Blow, 1A-20A, 1206

Applications:

- Cooling Fan System
- Battery Management System (Battery Pack)


General Specifications

| | | |
|------------------------------|-----------------|--------------------------------|
| Current Rating | 1A – 8A | 10A, 12A, 15A, 20A |
| Voltage Rating | 63V | 24V |
| Body Material | Ceramic | |
| Interrupting Ratings | 1A – 8A | 100A @ 63V DC 50A @ 125V DC |
| | 10A – 20A | 150A @ 24V DC |
| Operating Temperature | -55°C to +125°C | |
| Country of Origin | Taiwan | |

Electrical Characteristics

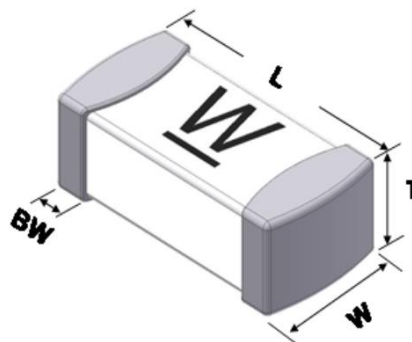
| Rated Current | Opening Time | | | | |
|---------------|--------------|-------|---------|-------|----------|
| | 1 In | 2 In | | 3 In | 10 In |
| | Min. | Min. | Max. | Max. | Max. |
| 2A-8A | 4 hr | 1 sec | 120 sec | 3 sec | 0.05 sec |

I²t Nominal Cold Resistance & I²t & Safety Approval:

| Approvals | Marking | Interrupting rating |  | Nominal Cold Resistance (Ohms) | Nominal Melting I ² t (A ² sec.) |
|-----------|-----------|--------------------------------|---|--------------------------------|--|
| 1A | <u>H</u> | 100A @ 63V DC 50A @ 125V DC | * | 0.1610 - 0.2990 | 0.170 |
| 1.5A | <u>K</u> | | * | 0.0875 - 0.1625 | 0.394 |
| 2A | <u>N</u> | | * | 0.0525 - 0.0975 | 0.720 |
| 2.5A | <u>Q</u> | | * | 0.0350 - 0.0650 | 0.938 |
| 3A | <u>P</u> | | * | 0.0224 - 0.0416 | 1.350 |
| 4A | <u>S</u> | | * | 0.0126 - 0.0234 | 2.240 |
| 5A | <u>T</u> | | * | 0.0091 - 0.0169 | 3.000 |
| 6A | <u>U</u> | | * | 0.0063 - 0.0117 | 4.680 |
| 7A | <u>V</u> | | * | 0.0056 - 0.0104 | 6.370 |
| 8A | <u>W</u> | | * | 0.0049 - 0.0091 | 8.320 |
| 10A | <u>10</u> | 150A @ 24V DC | * | 0.0042 - 0.0078 | 12.00 |
| 12A | <u>12</u> | | * | 0.0035 - 0.0065 | 17.28 |
| 15A | <u>15</u> | | * | 0.0021 - 0.0039 | 29.25 |
| 20A | <u>20</u> | | * | 0.0014 - 0.0026 | 52.00 |

Shape & Dimension:

| | |
|------|-------------------|
| Type | 1206 |
| L | 3.1 ± 0.2 mm |
| W | 1.6 ± 0.2 mm |
| T | 0.9 ± 0.2 mm |
| BW | 0.5 ± 0.25 mm |



| Recommended Pad Layout | |
|------------------------|---------|
| L1 | 1.10 mm |
| L2 | 1.52 mm |
| W | 1.78 mm |

