

FEATURES

- Used in wireless chargers
- 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, Fast Acting, 1A-20A, 1206

RS Stock No.: 2522199
2522200



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.

Surface Mount Fuse — LTCC Chip Fuse

Product Description

Ceramic SMD LTCC Chip Fuse, Fast Acting, 1A-20A, 1206

Applications:

- Storage System Power
- Cooling Fan System
- Battery Management System
- Server Power


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

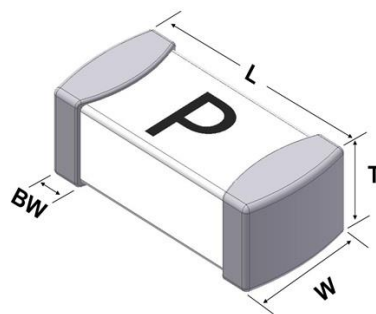
| Rated Current | Opening Time | |
|----------------------|----------------------|------------------------|
| | 1 In Min. | 2.5 In Max. |
| 1A-20A | 4 hr | 5 sec |

I²t Nominal Cold Resistance & I²t & Safety Approval:

| Approvals | Marking | Interrupting rating |  | Nominal Cold Resistance (Ohms) | Nominal Melting I ² t (A ² sec.) |
|-----------|---------|--------------------------------|---|--------------------------------|--|
| 1A | H | 100A @ 63V DC 50A @ 125V DC | * | 0.1750 - 0.3250 | 0.090 |
| 1.5A | K | | * | 0.0770 - 0.1430 | 0.113 |
| 2A | N | | * | 0.0455 - 0.0845 | 0.160 |
| 2.5A | O | | * | 0.0210 - 0.0390 | 0.188 |
| 3A | P | | * | 0.0182 - 0.0338 | 0.225 |
| 4A | S | | * | 0.0105 - 0.0195 | 0.320 |
| 5A | T | | * | 0.0070 - 0.0130 | 0.750 |
| 6A | U | | * | 0.0063 - 0.0117 | 0.900 |
| 7A | V | | * | 0.0056 - 0.0104 | 1.470 |
| 8A | W | | * | 0.0049 - 0.0091 | 1.728 |
| 8A | W | 100A @ 63V DC 50A @ 125V DC | * | 0.0049 - 0.0091 | 1.728 |
| 10A | 10 | 150A @ 24V DC | * | 0.0042 - 0.0078 | 3.000 |
| 12A | 12 | | * | 0.0035 - 0.0065 | 4.320 |
| 15A | 15 | | * | 0.0028 - 0.0052 | 6.750 |
| 20A | 20 | | * | 0.0021 - 0.0039 | 16.00 |

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 |

