

## 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.: 2522174  
2522175



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

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

### Electrical Characteristics

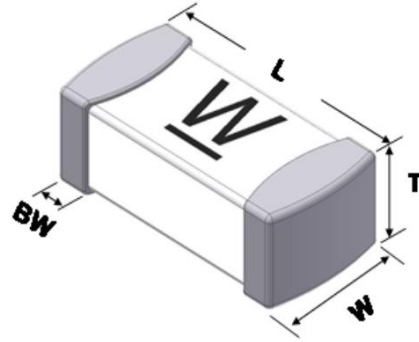
<b>Rated Current</b>	<b>Opening Time</b>				
	<b>1 In</b>	<b>2 In</b>		<b>3 In</b>	<b>10 In</b>
	<b>Min.</b>	<b>Min.</b>	<b>Max.</b>	<b>Max.</b>	<b>Max.</b>
<b>2A-8A</b>	<b>4 hr</b>	<b>1 sec</b>	<b>120 sec</b>	<b>3 sec</b>	<b>0.05 sec</b>

**I<sup>2</sup>t Nominal Cold Resistance & I<sup>2</sup>t & Safety Approval:**

Approvals	Marking	Interrupting rating		Nominal Cold Resistance (Ohms)	Nominal Melting I <sup>2</sup> t (A <sup>2</sup> 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	$3.1 \pm 0.2$ mm
W	$1.6 \pm 0.2$ mm
T	$0.9 \pm 0.2$ mm
BW	$0.5 \pm 0.25$ mm



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

