

## 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.: 2522189  
2522190



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

<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

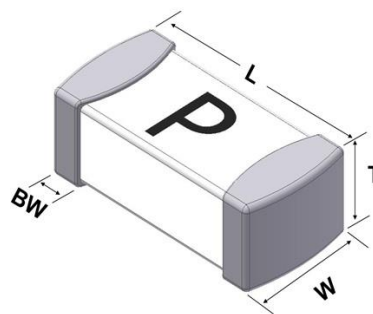
<b>Rated Current</b>	<b>Opening Time</b>	
	<b>1 In Min.</b>	<b>2.5 In Max.</b>
<b>1A-20A</b>	<b>4 hr</b>	<b>5 sec</b>

**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	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

