

## 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, Fast Acting, 10A-30A, 1206

RS Stock No.: 2522163  
2522165



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, 10A-30A, 1206**

**Applications:**

- Notebook Computer
- Wireless Base Station
- Networking
- Telecom System
- Battery Management System (Battery Pack)

### General Specifications

<b>Series</b>	CQ12LI	
<b>Current Rating</b>	10A, 12A, 15A, 20A, 25A	30A
<b>Voltage Rating</b>	63V	48V
<b>Body Material</b>	Ceramic	
<b>Interrupting Ratings</b>	10A – 25A	100A @ 63V DC 250A @ 24V DC
	10A – 30A	200A @ 36V DC 150A @ 48V DC
	30A	300A @ 24V DC
<b>Operating Temperature</b>	-55°C to +125°C	
<b>Country of Origin</b>	Taiwan	

### Electrical Characteristics

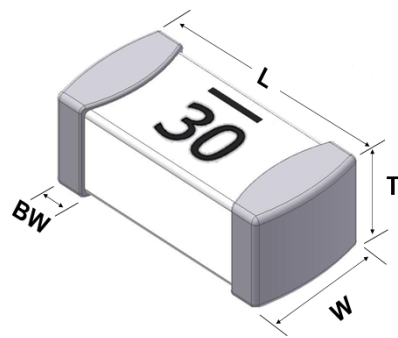
Rated Current	Opening Time	
	1 In Min.	3.5 In Max.
10A-30A	4 hr	5 sec

**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.)
10A	$\overline{10}$	100A @ 63V DC 200A @ 36V DC 250A @ 24V DC	*	0.0038 - 0.0070	14
12A	$\overline{12}$		*	0.0028 - 0.0052	19
15A	$\overline{15}$		*	0.0023 - 0.0043	33
20A	$\overline{20}$		*	0.0014 - 0.0026	56
25A	$\overline{25}$		*	0.0012 - 0.0022	182
30A	$\overline{30}$	150A @ 48V DC 200A @ 36V DC 300A @ 24V DC	*	0.0009 - 0.0017	260

**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

