

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.: 2522176
2522177



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

Series	CRU CQ12LH	
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

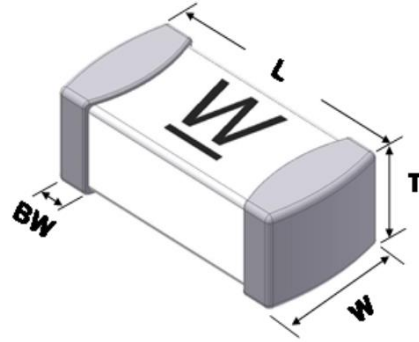
Rated Current	Opening Time				
	1 In	2 In		3 In	10 In
	Min.	Min.	Max.	Max.	Max.
2A-8A	4 hr	1 sec	120 sec	3 sec	0.05 sec

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>O</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

