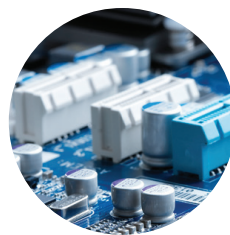




Surface Mount Fuse - LTCC Chip Fuse

The patented hollow cavity design offers superb heat resistance and an extremely high interrupting rating, allowing it to withstand a high degree of inrush current.



CQ06LF

1.6 x 0.8 mm (0603)

Fast-Acting Fuse

Ideal for use in a wide range of home appliance panels



Agency Approvals

Agency	Ampere Rating
Recognized Component for Canada and US	1A - 8A
TUV	1A - 8A

Electrical Characteristics

Ampere Rating	Opening Time			
	1 In	2 In	3 In	10 In
	MIN	MAX	MAX	MAX
1A - 8A	4 hr	5 sec	0.5 sec	0.02 sec

Interrupting Rating

60 amperes at 32V DC
35 amperes at 63V DC

Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic Termination: Silver(Ag) / Nickel(Ni) / Tin(Sn) Fuse Element: Silver(Ag)

Catalog Number	Marking	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Nominal Melting I ² t (A ² sec.)
CQ06LF 001	H	1A	32V	0.300	0.041
CQ06LF 1.50	K	1.5A		0.130	0.083
CQ06LF 002	N	2A		0.066	0.098
CQ06LF 2.50	O	2.5A		0.038	0.126
CQ06LF 003	P	3A		0.027	0.187
CQ06LF 3.50	R	3.5A		0.020	0.258
CQ06LF 004	S	4A		0.018	0.331
CQ06LF 005	T	5A		0.012	0.570
CQ06LF 006	U	6A		0.009	0.752
CQ06LF 007	V	7A	0.008	1.087	
CQ06LF 008	W	8A	0.006	1.472	

Packaging

Packaging Option	Quantity
On Tape	4,000 pcs / reel

* Measured at ≤ 10% of rated current at 25° C

* Melting I²t at 1000% of current rating

* Certified (cRUus) and Customized to 63V

* Application testing is strongly recommended.

* Surface Mount Fuse is a small device designed for secondary protection of circuits used in space constrained applications.

Mechanical Dimensions (mm)



CQ06LT

1.6 x 0.8 mm (0603)

Time-Lag Fuse

Specially customized for use in game consoles and controllers



Agency Approvals

Agency	Ampere Rating
Recognized Component for Canada and US	1A - 8A
TUV	1A - 8A

Electrical Characteristics

Ampere Rating	Opening Time				
	1 In	2 In		3 In	10 In
	MIN	MIN	MAX	MAX	MAX
1A - 8A	4 hr	1 sec	120 sec	3 sec	0.05 sec

Interrupting Rating

60 amperes at 32V DC
35 amperes at 63V DC

Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic Termination: Silver(Ag) / Nickel(Ni) / Tin(Sn) Fuse Element: Silver(Ag)

Catalog Number	Marking	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Nominal Melting I ² t (A ² sec.)
CQ06LT 001	H	1A	32V	0.225	0.130
CQ06LT 1.50	K	1.5A		0.085	0.293
CQ06LT 002	N	2A		0.052	0.400
CQ06LT 2.50	Q	2.5A		0.040	0.625
CQ06LT 003	P	3A		0.026	1.170
CQ06LT 3.50	R	3.5A		0.022	1.838
CQ06LT 004	S	4A		0.015	2.210
CQ06LT 005	I	5A		0.010	2.500
CQ06LT 006	U	6A		0.007	5.040
CQ06LT 007	V	7A	0.006	5.212	
CQ06LT 008	W	8A	0.005	7.680	

Packaging

Packaging Option	Quantity
On Tape	4,000 pcs / reel

* Measured at ≤ 10% of rated current at 25° C

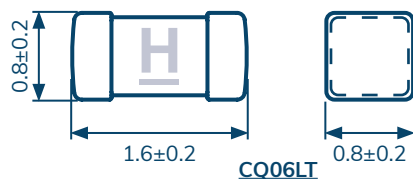
* Melting I²t at 1000% of current rating

* Certified (cRUus) and Customized to 63V

* Application testing is strongly recommended.

* Surface Mount Fuse is a small device designed for secondary protection of circuits used in space constrained applications.

Mechanical Dimensions (mm)



CQ12LV

3.1 x 1.6 mm (1206)

Fast-Acting Fuse

Used in wireless chargers



Agency Approvals

Agency	Ampere Rating
Recognized Component for Canada and US	1A - 20A

Electrical Characteristics

Ampere Rating	Opening Time	
	1 In	2.5 In
	MIN	MAX
1A - 20A	4 hr	5 sec

Interrupting Rating

1A - 8A:	100 amperes at 63V DC 50 amperes at 125V DC
10A - 20A:	150 amperes at 24V DC

Product Characteristics

Operating Temperature	-55 °C to 125°C
Material	Body: Ceramic Termination: Silver(Ag) / Nickel(Ni) / Tin(Sn) Fuse Element: Silver(Ag)

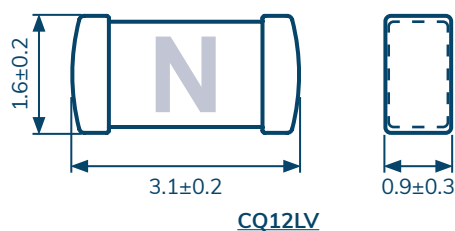
Packaging

Packaging Option	Quantity
On Tape	4,000 pcs / reel

Catalog Number	Marking	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Nominal Melting I ² t (A ² sec.)
CQ12LV 001	H	1A	63V	0.250	0.090
CQ12LV 1.50	K	1.5A		0.110	0.113
CQ12LV 002	N	2A		0.065	0.160
CQ12LV 2.50	O	2.5A		0.030	0.188
CQ12LV 003	P	3A		0.026	0.225
CQ12LV 3.50	R	3.5A		0.020	0.245
CQ12LV 004	S	4A		0.015	0.320
CQ12LV 005	T	5A		0.010	0.750
CQ12LV 006	U	6A		0.009	0.900
CQ12LV 007	V	7A		0.008	1.470
CQ12LV 008	W	8A	0.007	1.728	
CQ12LV 010	10	10A	24V	0.006	3.000
CQ12LV 012	12	12A		0.005	4.320
CQ12LV 015	15	15A		0.004	6.750
CQ12LV 020	20	20A		0.003	16.00

- * Measured at ≤ 10% of rated current at 25° C
- * Melting I²t at 1000% of current rating
- * Certified (cRUus) and Customized up to 125V
- * Application testing is strongly recommended
- * Surface Mount Fuse is a small device designed for secondary protection of circuits used in space constrained applications.

Mechanical Dimensions (mm)



CQ12LH

3.1 x 1.6 mm (1206)

Time-Lag Fuse

2014 Taiwan Excellence Award Recipient



Agency Approvals

Agency	Ampere Rating
Recognized Component for Canada and US	1A - 20A

Interrupting Rating

1A - 8A:	100 amperes at 63V DC 50 amperes at 125V DC
10A - 20A:	150 amperes at 24V DC

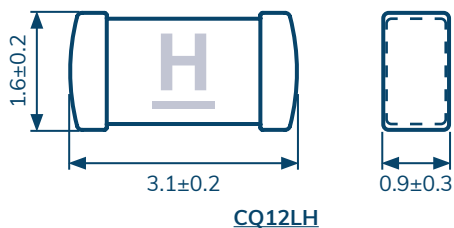
Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic Termination: Silver(Ag) / Nickel(Ni) / Tin(Sn) Fuse Element: Silver(Ag)

Packaging

Packaging Option	Quantity
On Tape	4,000 pcs / reel

Mechanical Dimensions (mm)



Electrical Characteristics

Ampere Rating	Opening Time				
	1 In	2 In		3 In	8 In
	MIN	MIN	MAX	MAX	MAX
1A - 20A	4 hr	1 sec	120 sec	3 sec	0.05 sec

Catalog Number	Marking	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Nominal Melting I ² t (A ² sec.)
CQ12LH 001	H	1A	63V	0.230	0.170
CQ12LH 1.50	K	1.5A		0.125	0.394
CQ12LH 002	N	2A		0.075	0.720
CQ12LH 2.50	Q	2.5A		0.050	0.938
CQ12LH 003	P	3A		0.032	1.350
CQ12LH 3.50	R	3.5A		0.027	1.838
CQ12LH 004	S	4A		0.018	2.240
CQ12LH 005	I	5A		0.013	3.000
CQ12LH 006	U	6A	24V	0.009	4.680
CQ12LH 007	V	7A		0.008	6.370
CQ12LH 008	W	8A		0.007	8.320
CQ12LH 010	10	10A		0.006	12.00
CQ12LH 012	12	12A		0.005	17.28
CQ12LH 015	15	15A		0.003	29.25
CQ12LH 020	20	20A	0.002	52.00	

- * Measured at ≤ 10% of rated current at 25° C
- * Melting I²t at 1000% of current rating
- * Certified (cRUus) and Customized up to 125V
- * Application testing is strongly recommended
- * Surface Mount Fuse is a small device designed for secondary protection of circuits used in space constrained applications.

CQ12LI

3.1 x 1.6 mm (1206)

Fast-Acting Fuse

Widely used in all kinds of battery packs



Agency Approvals

Agency	Ampere Rating
Recognized Component for Canada and US	10A - 30A

Electrical Characteristics

Ampere Rating	Opening Time	
	1 In	3.5 In
	MIN	MAX
10A - 30A	4 hr	5 sec

Interrupting Rating

10A - 25A:	100 amperes at 63V DC 250 amperes at 24V DC
10A - 30A:	200 amperes at 36V DC 150 amperes at 48V DC
30A:	300 amperes at 24V DC

Catalog Number	Marking	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Nominal Melting I ² t (A ² sec.)
CQ12LI 010	10	10 A	63V	0.0054	14.0
CQ12LI 012	12	12 A		0.0040	19.0
CQ12LI 015	15	15 A		0.0033	33.0
CQ12LI 020	20	20 A		0.0020	56.0
CQ12LI 025	25	25 A		0.0017	210
CQ12LI 030	30	30 A	48V	0.0013	260

Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic Termination: Silver(Ag) / Nickel(Ni) / Tin(Sn) Fuse Element: Silver(Ag)

* Measured at ≤ 10% of rated current at 25° C

* Melting I²t at 1000% of current rating

* Surface Mount Fuse is a small device designed for secondary protection of circuits used in space constrained applications.

Packaging

Packaging Option	Quantity
On Tape	4,000 pcs / reel

Mechanical Dimensions (mm)

