

CONQUER

L Type Chip Fuse

Type CQ12LH



3.1×1.6mm(1206)

High Inrush Fuse Series



Approval

Recognized Component for Canada and U.S. 1A~20A

Electrical Characteristic

Rated current	1 In	2 In		3 In	8 In
	MIN	MIN	MAX	MAX	MAX
1A~20A	4hr	1 sec	120 sec	3 sec	0.05 sec

Interrupting Rating

1A~8A : 100 amperes at 63V DC

10A~20A : 150 amperes at 24V DC

Environmental Specification

Operating Temperature

-55°C to +125°C

Vibration

MIL-STD-202G, Method 201(10-55 Hz, 0.06 inch, total excursion)

Salt Spray

MIL-STD-202G, Method 101, Test Condition B (48Hrs)

Insulation Resistance

MIL-STD-202G, Method 302, Test Condition A

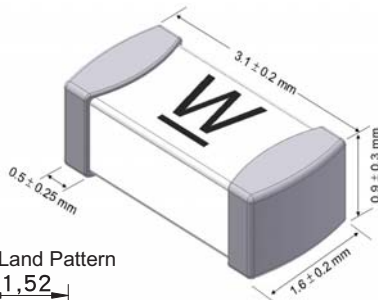
Resistance to Solder Heat

MIL-STD-202G, Method 210, Test Condition B (10sec, at 260°C)

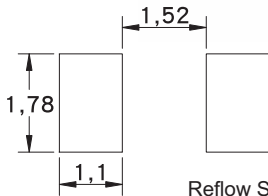
Thermal Shock

MIL-STD-202G, Method 107, Test Condition B (-65°C to +125°C)

Mechanical Dimension(mm)



Recommended Land Pattern



Catalog Number	Marking	Ampere Rating [In]	Voltage Rating (V)	Nominal Resistance Cold 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	O	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	T	5A		0.013	3.000
CQ12LH 006	U	6A		0.009	4.680
CQ12LH 007	V	7A		0.008	6.370
CQ12LH 008	W	8A	0.007	8.320	
CQ12LH 010	10	10A	24V	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

1. Measured at ≤ 10% of rated current and 25°C.

2. Melting I²t at 1000% of current rating.

3. Certified (cRUus) and Customized up to 125V

Physical Specification

Material

Construction Body Material: Ceramic

Termination Material: Silver(Ag),Nickel(Ni),Tin(Sn)

Fuse Element: Silver(Ag)

Packaging

1. Tape & Reel : 8mm tape

2. Packaging Specification : EIA Standard 481-D

3. Quantity : 4,000 pcs per reel.

15

Conquer Electronics Co., Ltd.