

L TYPE CHIP FUSE

Type CQ12LV RoHS

3.1mmx 1.6mm (1206)
Fast-Acting Fuse Series



cRUUS Patent

Feature

- High voltage and high current rating
- High inrush and high breaking capacity
- Fast arcing extinguished
- Lead free & Halogen free material
- Good explosion proof
- Precise fusing time and cut-off completed
- Suitable for rated current of 1A~20A

Catalog Number	Marking	Ampere Rating [In]	Voltage Rating (V)	Nominal Resistance Cold Ohms	Nominal Melting I ² t A ² Sec
CQ12LV 001	H	1A	63V / 125V	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	0.270
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	24V	0.009	0.900
CQ12LV 007	V	7A		0.008	1.470
CQ12LV 008	W	8A		0.007	1.728
CQ12LV 010	10	10A		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 $\leq 10\%$ of rated current and 25°C.
- Melting I²t at 1000% of current rating.
- Certified (cRUUS) and Customized up to 125V

Approval

UL Recognized 1A~20A

Electrical Characteristic

Rated current	1 In	2.5 In
	MIN	MAX
1A~20A	4 hr	5 sec

Environmental Temperature at 25°C

Interrupting Rating

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

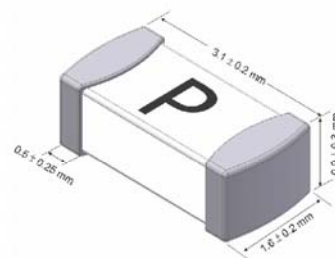
Soldering Method

- *Reflow Soldering : 260°C, 30Sec. max.
*Wave Soldering : 260°C, 10Sec. max.
*Hand Soldering : 350°C, 3Sec. max.

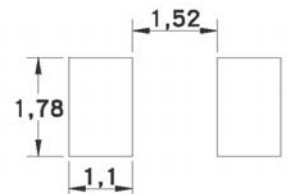
Material

Construction Body Material: Ceramic
Termination Material: Silver(Ag), Nickel(Ni), Tin(Sn)
Fuse Element: Silver(Ag)

Dimension



Recommended Land Pattern



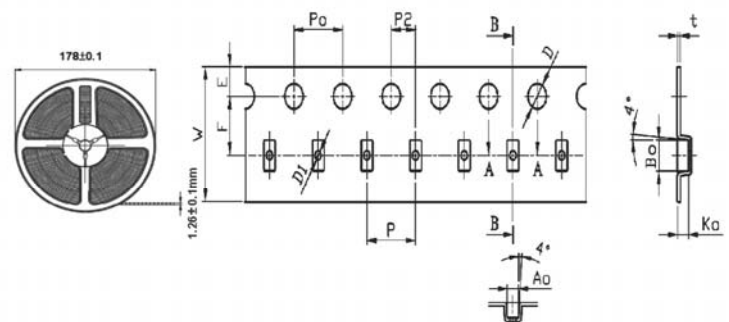
Reflow Solder

Tape and Reel Specification

Unit : mm

Item	W	P	E	F	P2	D	D1
Criterion	8.00	4.00	1.75	3.50	2.00	1.50	1.00
Tolerance	±0.30	±0.10	±0.10	±0.05	±0.05	±0.10	±0.10

Item	P0	10P0	A0	B0	K0	t
Criterion	4.00	40.00	1.95	3.65	0.87	0.2
Tolerance	±0.10	±0.20	±0.10	±0.10	±0.10	±0.10



Tape & Reel Quantity 4000 pcs/reel

Environmental Specification

Operating Temperature

-55°C to +125°C

Thermal Shock

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

Vibration

MIL-STD-202G, Method 204, Test Condition C

Moisture Resistance

MIL-STD-202G, Method 106, 10 day cycle

Solderability

IPC-J-STD-002C

CQ12LV Series Clear Time Curve

