Type CQ12LV RoHS

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

cULus Patent

Feature

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

Catalog Number	Marking	Ampere Rating [In]	Voltage Rating (V)	Nominal Resistance Cold Ohms	Nominal Melting I^2t A^2 Sec
CQ12LV 001	H	1A	125V	0.2620	0.17
CQ12LV 1.50	K	1.5A		0.1120	0.25
CQ12LV 002	N	2A		0.0650	0.30
CQ12LV 2.50	O	2.5A		0.0300	0.47
CQ12LV 003	P	3A		0.0260	0.72
CQ12LV 3.50	R	3.5A		0.0205	0.92
CQ12LV 004	S	4A		0.0155	1.12
CQ12LV 005	T	5A		0.0105	1.88
CQ12LV 006	U	6A		0.0088	3.06
CQ12LV 007	V	7A		0.0078	4.41
CQ12LV 008	W	8A		0.0070	5.76
CQ12LV 010	10	10A	24V	0.0055	11.5
CQ12LV 012	12	12A		0.0048	22.3
CQ12LV 015	15	15A		0.0038	33.7
CQ12LV 020	20	20A		0.0026	60.0

Approval

UL Recognized 1A~20A

Electrical Characteristic

Rated current	1 In	2.5 In	4 In
	MIN	MAX	MAX
1A~20A	4 hr	5 sec	0.05 sec

Environmental Temperature at 25°C

Interrupting Rating

1A~8A : 50 amperes at 125V AC
50 amperes at 125V DC
100 amperes at 63V DC
150 amperes at 32V AC
10A~20A : 150 amperes at 24V DC

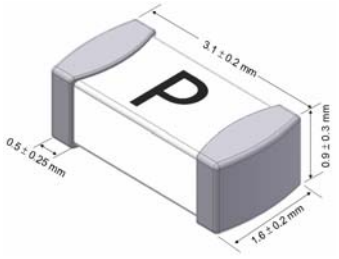
Soldering Method

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

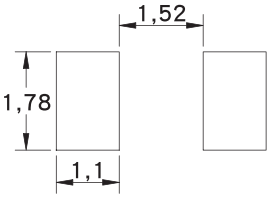
Material

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

Dimension



Recommended Land Pattern



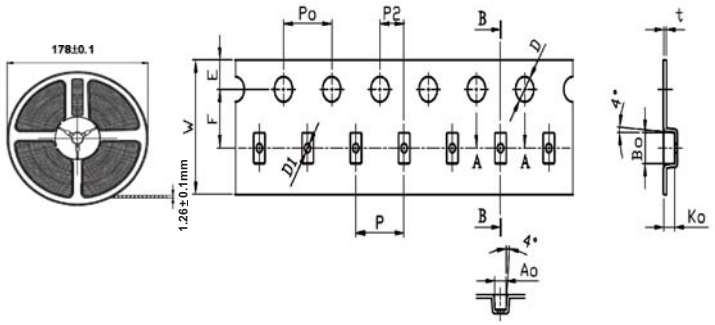
Reflow Solder

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
Tolerence	±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
Tolerence	±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