

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 150°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)

