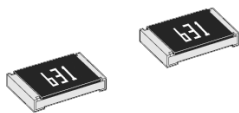


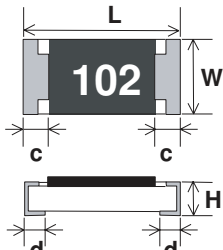
# No. FCD12 / 1206

# UL 248-14, 32V/50V, F

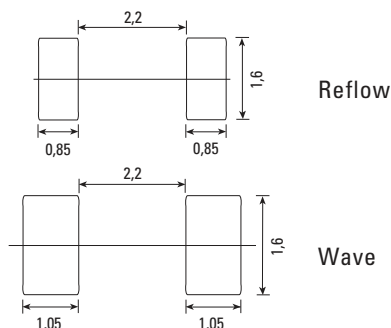
# Specifications



### Dimensions



### Pad Layout (mm)



### Time-Current Characteristic

Quick Acting (F)

### Applicable Standards

IEC 60127-4  
UL 248-14

### Approval

cULus Recognized

### Features

Excellent for overcurrent protection of miniature portable equipment  
very low internal resistance  
Flame resistant ceramic substrate  
Internationally approved

### WebLinks

#### Further info see:

[www.wickmanngroup.com](http://www.wickmanngroup.com)

#### Further application info see Fuseology:

[www.wickmanngroup.com/download/fuseology.pdf](http://www.wickmanngroup.com/download/fuseology.pdf)

### Packaging

TP: Paper Tape (5000 pcs.)  
Reel diameter 18 cm  
Tape width 8 mm

### Material

Housing: Ceramic/Glass  
Terminals: Sn plated

### Operating Temperature

-55 to +125°C

### Solderability

235°C, 2 sec.

At least 95% of the terminal surface must be covered by new solder

### Soldering Heat Resistance

260°C, 10 sec. / 280°C, 5 sec.

No visible damage. Meet electrical requirement

### Marking

Code for rated current

### Unit Weight

10 mg / 11 mg



Limits for Pre-arcing Time	
Rated Current	2.5 x I <sub>N</sub>
200mA ... 5.0A	< 5s

Dimensions (mm)						
	size	L	W	H	c	d
FCD12 200mA - 2.5A	1206	3.2±0.2	1.6±0.15	0.6±0.10	0.5±0.25	0.5±0.25
FCD12 3.15A - 5A				0.65±0.10		

**Permissible continuous operating current is ≤ 80% of rated current at ambient temperature of 23°C (73.4°F).**

Rated Current	Amp Code	Voltage Rating	Breaking Capacity	Voltage Drop 1.0 x I <sub>N</sub> typ. (mV)	Cold Resistance 0.1 x I <sub>N</sub> max. (mΩ)	Melting Integral 10 x I <sub>N</sub> typ. (A <sup>2</sup> s)	Marking	Approvals cULus
200mA	0200	50V		380	1800	1.40x10 <sup>-4</sup>	201	p
250mA	0250	50V		270	1000	2.30x10 <sup>-4</sup>	251	p
315mA	0315	50V		240	750	4.00x10 <sup>-4</sup>	321	p
400mA	0400	50V		150	350	5.40x10 <sup>-4</sup>	401	p
500mA	0500	50V		113	295	9.30x10 <sup>-4</sup>	501	•
630mA	0630	50V		125	200	1.80x10 <sup>-3</sup>	631	•
800mA	0800	50V		113	140	3.30x10 <sup>-3</sup>	801	•
1.00A	1100	50V		102	110	5.60x10 <sup>-3</sup>	102	•
1.25A	1125	50V	50A / 50VDC	106	85	1.00x10 <sup>-2</sup>	132	•
1.60A	1160	50V		108	75	2.70x10 <sup>-2</sup>	162	•
2.00A	1200	50V		98	65	4.70x10 <sup>-2</sup>	202	•
2.50A	1250	50V		103	45	7.80x10 <sup>-2</sup>	252	•
3.15A	1315	32V		78	26	2.80x10 <sup>-1</sup>	UD	•
4.00A	1400	32V	50A / 32VDC	76	19	5.00x10 <sup>-1</sup>	XD	•
5.00A	1500	32V		73	14	9.70x10 <sup>-1</sup>	YD	•

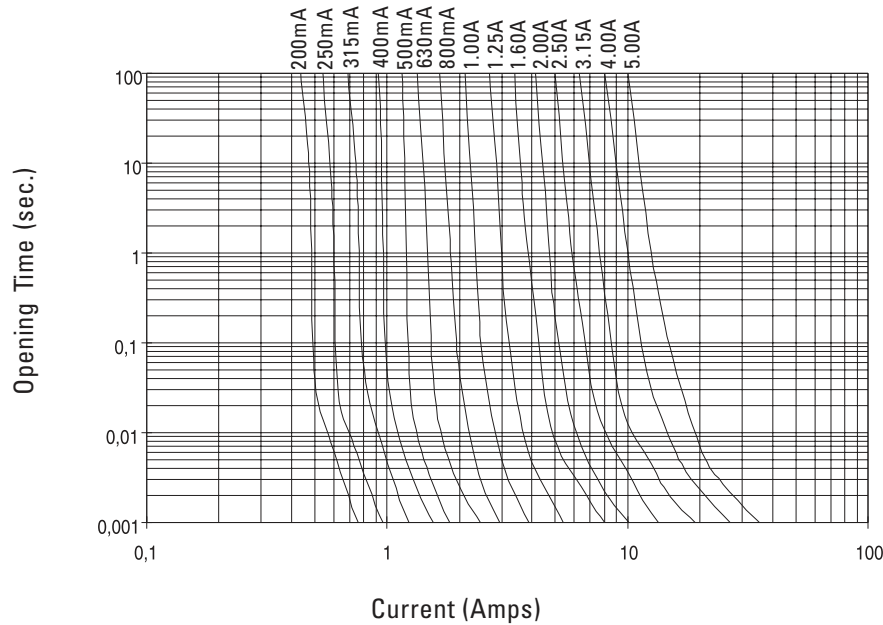
p=pending

### Order Information

Qty.	Order-Number	Type	Amp Code	Packaging
		FCD12		

Specifications are subject to change without notice

## 1206 / No. FCD12 Time-Current Characteristics



## Thermal Derating

