



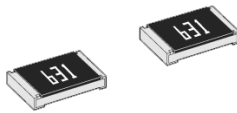
**THE DATASHEET OF  
FCD121500TP**



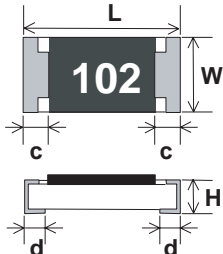
# No. FCD12 / 1206

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

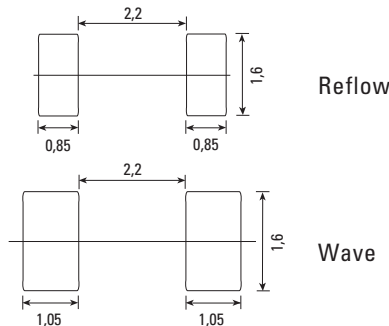
# Specifications



### 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	$2.5 \times I_N$
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 $1.0 \times I_N$ typ. (mV)	Cold Resistance $0.1 \times I_N$ max. (mΩ)	Melting Integral $10 \times I_N$ typ. (A <sup>2</sup> s)	Marking	Approvals cULus
200mA	0200	50V		380	1800	$1.40 \times 10^{-4}$	201	p
250mA	0250	50V		270	1000	$2.30 \times 10^{-4}$	251	p
315mA	0315	50V		240	750	$4.00 \times 10^{-4}$	321	p
400mA	0400	50V		150	350	$5.40 \times 10^{-4}$	401	p
500mA	0500	50V		113	295	$9.30 \times 10^{-4}$	501	•
630mA	0630	50V		125	200	$1.80 \times 10^{-3}$	631	•
800mA	0800	50V		113	140	$3.30 \times 10^{-3}$	801	•
1.00A	1100	50V		102	110	$5.60 \times 10^{-3}$	102	•
1.25A	1125	50V	50A / 50VDC	106	85	$1.00 \times 10^{-2}$	132	•
1.60A	1160	50V		108	75	$2.70 \times 10^{-2}$	162	•
2.00A	1200	50V		98	65	$4.70 \times 10^{-2}$	202	•
2.50A	1250	50V		103	45	$7.80 \times 10^{-2}$	252	•
3.15A	1315	32V		78	26	$2.80 \times 10^{-1}$	UD	•
4.00A	1400	32V	50A / 32VDC	76	19	$5.00 \times 10^{-1}$	XD	•
5.00A	1500	32V		73	14	$9.70 \times 10^{-1}$	YD	•

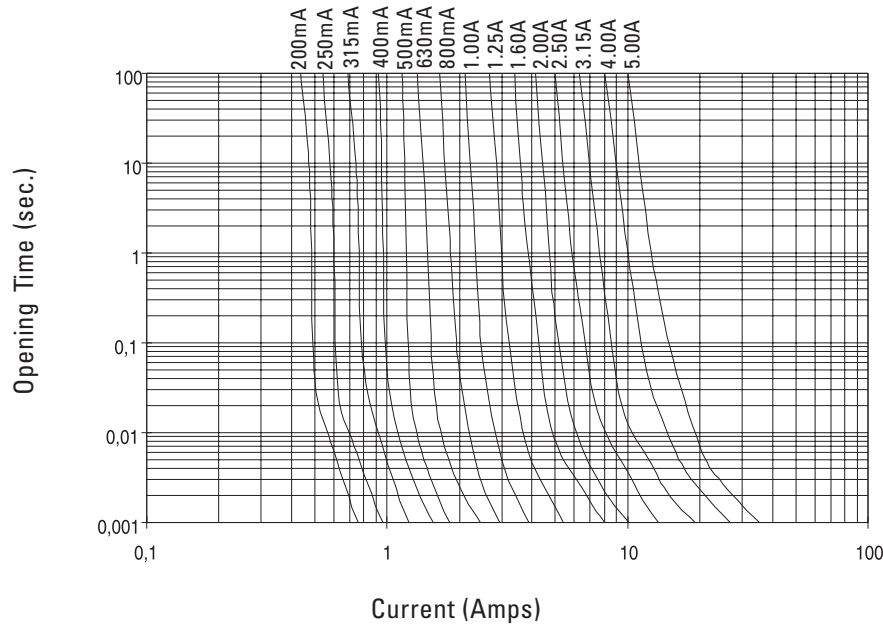
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### Order Information

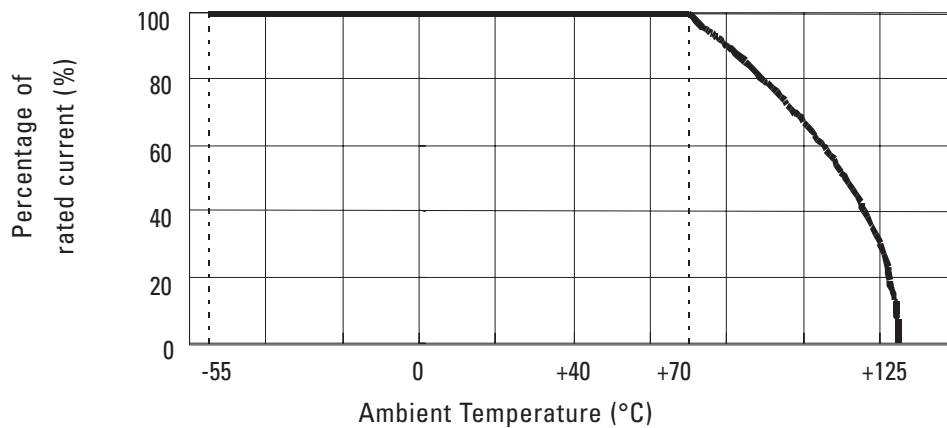
Qty.	Order-Number	Type	Amp Code	Packaging
		FCD12		

Specifications are subject to change without notice

## 1206 / No. FCD12 Time-Current Characteristics



## Thermal Derating



## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View FCD121500TP on WIN SOURCE](#)

 [Littelfuse Inc. Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management