



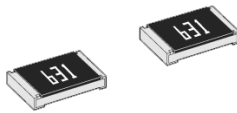
**THE DATASHEET OF
FCD121160TP**



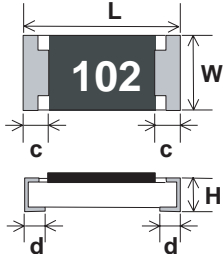
No. FCD12 / 1206

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

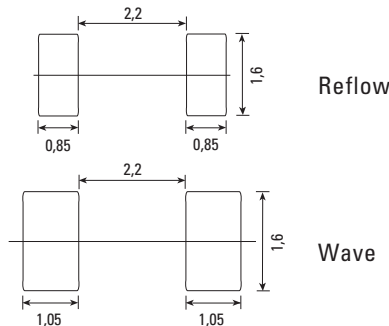
Specifications



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

Further application info see Fuseology:

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

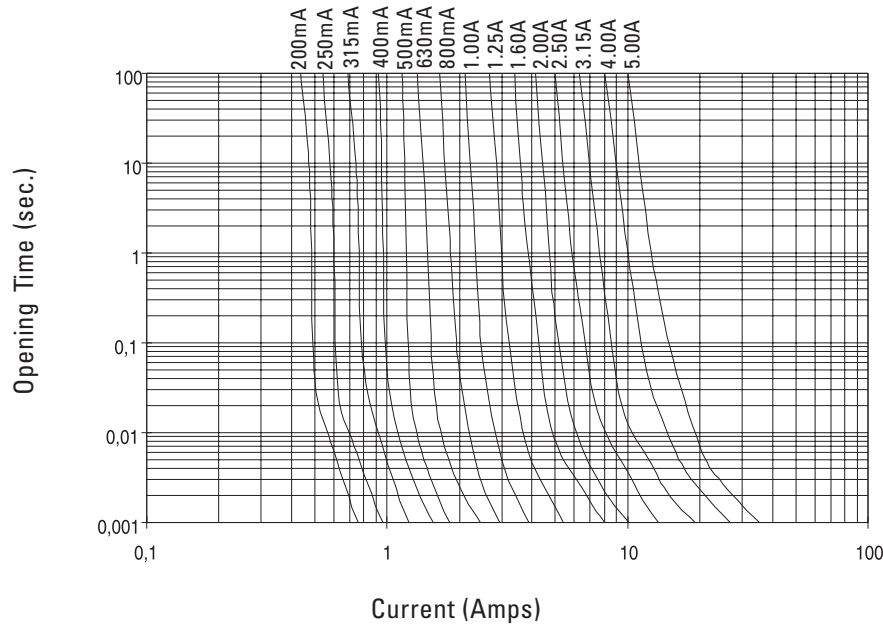
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Order Information

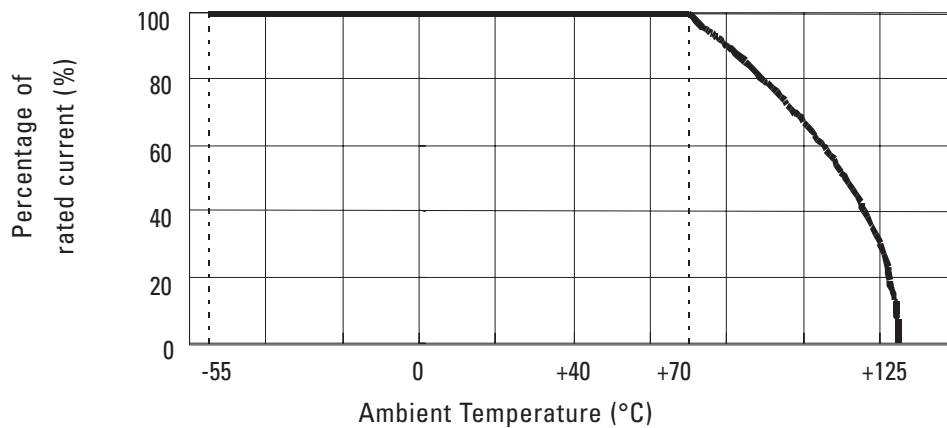
| Qty. | Order-Number | Type | Amp Code | Packaging |
|------|--------------|-------|----------|-----------|
| | | FCD12 | | |

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 FCD121160TP 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