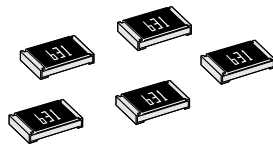
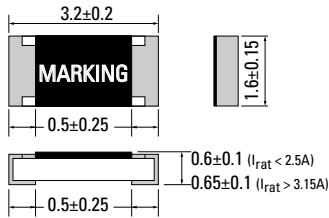


1206 / No. FCD12



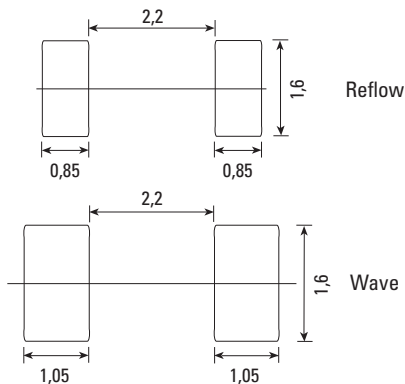
Dimensions (mm)



Pad Size 1206 (3216)

Pad Layout

Solder the fuse with the marked side facing up



UL248-14, 32V/50V, F

Time-Current Characteristic

Quick Acting (F)

Standard

UL 248-14

Approvals

cULus Recognized: File No. E67006

Features

Reliable metal film melting element
 Flame resistant ceramic substrate
 Very low internal resistance
 Low power density
 Reduced PCB space requirements
 Internationally approved
 Stable thermal characteristics under varying operating temperatures

WebLinks

Data Sheet - latest version

www.wickmannusa.com/products/fcd12.pdf

Approval Certificates

www.wickmannusa.com/approvals

Packaging

www.wickmannusa.com/pack

For Application Information refer to

www.wickmannusa.com/download/fuseology.pdf

Specifications

Packaging Code and Info

TP: Blister Tape/Ø180mm Reel (5000 pcs.)

Materials

Housing: Ceramic substrate,
 Glass encapsulated
 Element: Metal film
 Terminals: Tinned, metallized

Operating Temperature

-55°C to +125°C (see de-rating curve)

Climatic Category

-40°C/+85°C/21 days

Stock Conditions

+10°C to +60°C
 relative humidity ≤ 75% yearly average,
 without dew, maximum value for 30 days-95%

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. Meets electrical requirements)

Recommended Solder Glue

Grace Amicon 125 F

Minimum Cross Section, Copper

Conducting path - 0.1mm²

Thickness - 0.035mm

Mounting

Solder the fuse with the marked side facing up
 Avoid circuit traces below the fuse

Marking

Code for Current Rating (see table)

Unit Weight

10mg (≤2.5A), 11mg (≥3.15A) (approx.)

Limits for Pre-arcing Time

Rated Current	$2.5 \times I_{\text{Rated}}$
500mA ... 5.00A	< 5s



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

Rated Current	Amp Code	Voltage Rating	Breaking Capacity	Voltage Drop $1.0 \times I_{\text{Rated}}$ typ. (mV)	Resistance $0.1 \times I_{\text{Rated}}$ max. (mΩ)	Melting Integral $10 \times I_{\text{Rated}}$ typ. (A ² s)	Marking	Approvals cULus
500mA	0500	50V		113	295	0.00045	501	•
630mA	0630	50V		120	200	0.00135	631	•
800mA	0800	50V		113	140	0.0032	801	•
1.00A	1100	50V		102	110	0.0037	102	•
1.25A	1125	50V	50A / 50VDC	106	85	0.00625	132	•
1.60A	1160	50V		108	75	0.018	162	•
2.00A	1200	50V		98	65	0.04	202	•
2.50A	1250	50V		103	45	0.064	252	•
3.15A	1315	32V		78	26	0.195	UD	•
4.00A	1400	32V	50A / 32VDC	76	19	0.4	XD	•
5.00A	1500	32V		73	14	0.685	YD	•

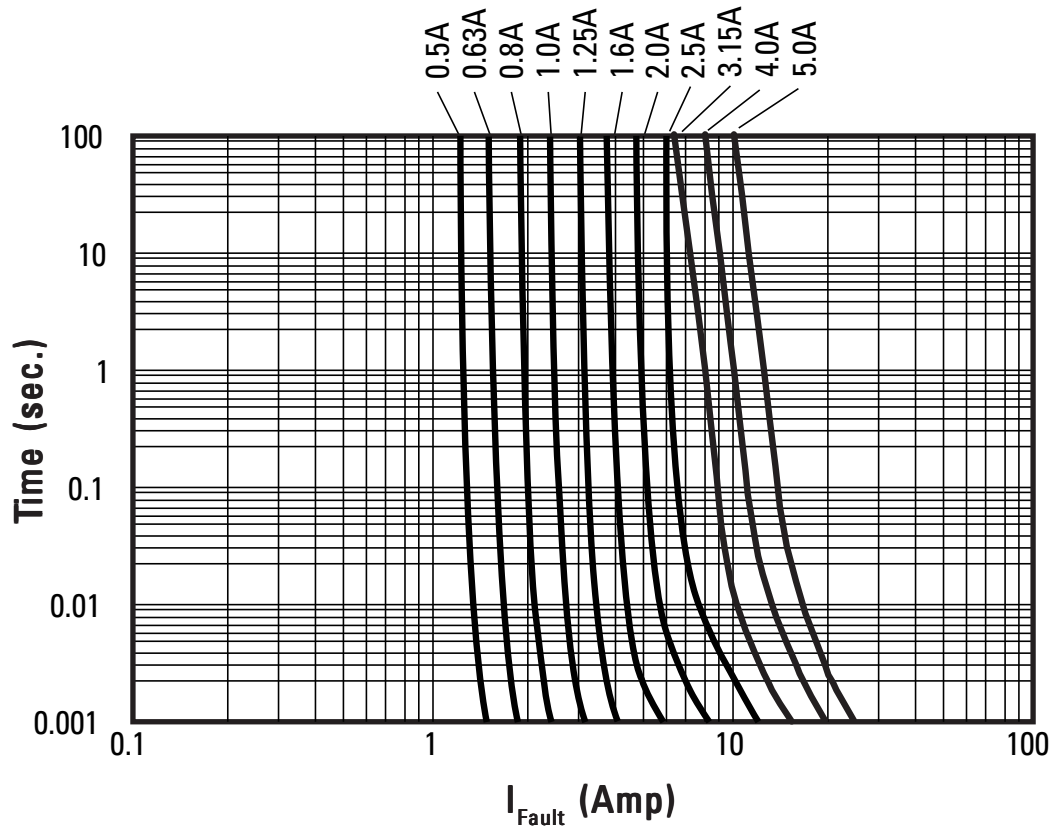
Order Information

Qty.	Order-Number	Series	Amp Code	Pack. Code
		FCD12		TP

Specifications are subject to change without notice.

1206 / No. FCD12

Time-Current Characteristics



Thermal Derating

