



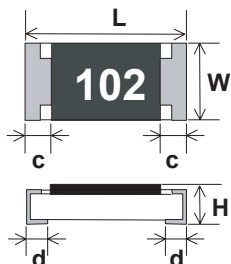
No. FCD08 / 0805

UL 248-14, 50V/32V/24V, F

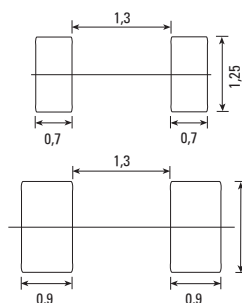
Specifications



Dimensions



Pad Layout (mm)



Reflow

Wave

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.wickmann.com

Further application infos see

Fuseology:

www.wickmann.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

6mg

Dimensions (mm)

	size	L	W	H	c	d
FCD08 400mA - 5A 0805		2.0±0.1	1.25±0.10	0.6±0.1	0.4±0.2	0.4±0.2

Limits for Pre-arcing Time

Rated Current	2.5 x I _N
400mA ... 5A	< 5s



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. (A²s)	Marking	Approvals cULus
400mA	0400	50V		123	330	4.24x10 ⁻⁴	401	•
500mA	0500	50V		120	270	5.90x10 ⁻⁴	501	•
630mA	0630	50V		114	190	8.06x10 ⁻⁴	631	•
800mA	0800	50V		96	130	1.71x10 ⁻³	801	•
1.00A	1100	50V		102	100	3.02x10 ⁻³	102	•
1.25A	1125	50V	50A/50VDC	99	80	5.70x10 ⁻³	132	•
1.60A	1160	50V		102	65	1.26x10 ⁻²	162	•
2.00A	1200	50V		115	55	3.01x10 ⁻²	202	•
2.50A	1250	50V		110	40	3.99x10 ⁻²	252	•
3.15A	1315	32V		85	26	8.22x10 ⁻²	UD	•
4.00A	1400	32V	50A/32VDC	82	19	1.86x10 ⁻¹	XD	•
5.00A	1500	24V	50A/24VDC	70	14	3.22x10 ⁻¹	YD	•

Order Information

Qty.	Order-Number	Type	Amp Code	Packaging
		FCD08		

Specifications are subject to change without notice

WebSite

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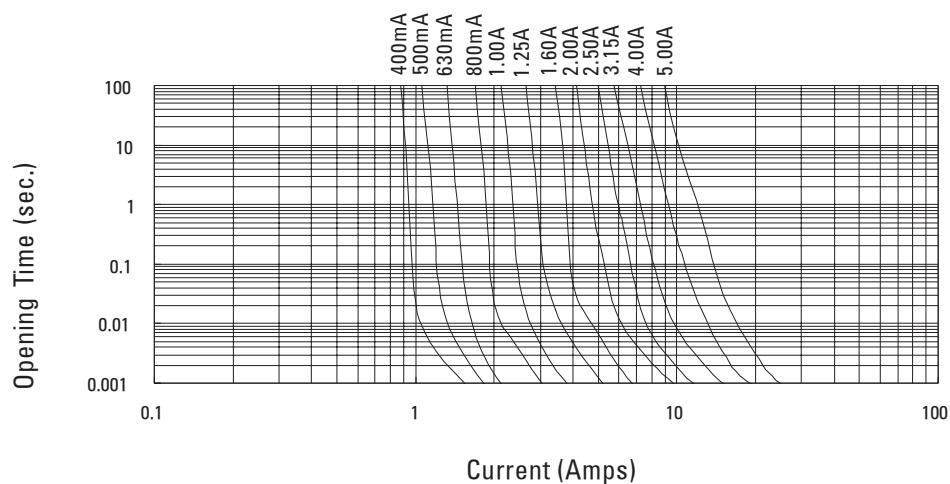
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0805 / No. FCD08

Time-Current Characteristics



Thermal Derating

