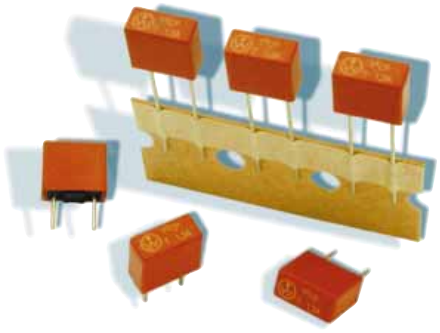
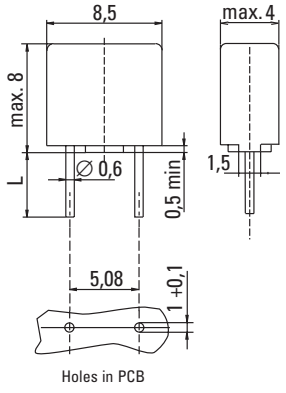
WICKMANN

T²CP / No. 397



Dimensions (mm)



Long Leads (L=18.8mm)
Short Leads (L=4.3mm)

UL 248-14, 125V, T

Time-Current Characteristic
Transient Tolerant (T)

Standard
UL 248-14
CSA C22.2 No. 248.14

Approvals
UL Listed: File No. E 67006
cUL Listed: File No. E 67006

Features

Surge Proof for telecom applications
Reduced PCB space requirements
Direct solderable or plug-in versions
Low internal resistance
Shocksafe casing
Vibration resistant

WebLinks

Data Sheet
www.wickmann.com/products/397.pdf

Approval Certificates
www.wickmann.com/approvals

Time-Current Curve
Page 59
www.wickmann.com/itcurves

Packaging
Page 118
www.wickmann.com/pack

FaxBack Document # 303

Specifications

Packaging
000: Tape/Ammopack (1400 pcs.)
044: Short Leads - Bulk (1400 pcs.)

Materials
Base/Cap: Brown Thermoplastic Polyamide PA 6.6, UL 94V0
Round Pins: Copper alloy, tin plated

Operating Temperature
-40°C to +85°C (consider de-rating)

Climatic Category
-25°C/+70°C/21 days (EN 60068-1..3)

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

Vibration Resistance
24 cycles at 15 min. each (EN 60068-6)
10 - 60Hz at 0.75mm amplitude
60 - 2000Hz at 10g acceleration

Lead Pull Strength
10N (EN 60068-2-21)

Solderability
260°C, ≤ 3 sec. (Wave)
350°C, ≤ 1 sec. (Hand)

Soldering Heat Resistance
260°C, 10 sec. (IEC 60068-2-20)

Marking
Ⓦ, T²CP, T, Current Rating

Unit Weight
0.60g (approx.)

Limits for Pre-arcing Time			
Rated Current	2.0 x I_{Rated}	5.7 x I_{Rated} Ⓦ	17 x I_{Rated} Ⓦ
350mA ... 1.50A	< 60s	80ms ... 2s	< 200ms

Permissible continuous operating current is ≤ 70% at ambient temperature of 23°C (73.4°F).

Rated Current	Amp Code	Voltage Rating	Breaking Capacity	Voltage Drop 1.0 x I_{Rated} Ⓦ max. (mV)	Power Dissipation 1.0 x I_{Rated} Ⓦ max. (mW)	Melting Integral 10 x I_{Rated} Ⓦ min. (A^2s)	Surge Amplitude (A)[1] FCC	Bellcore	ITU	Approvals UL	cUL
350mA	0350	125V	50A / 125VAC 50-60Hz cos φ = 1.0	400	140	0.38	34	20	30	•	•
500mA	0500	125V		340	170	0.79	46	26	40	•	•
800mA	0800	125V		300	240	2.4	105	60	90	•	•
1.00A	1100	125V		240	240	3.5	122	70	105	•	•
1.25A	1125	125V		200	250	5	175	100	150	•	•
1.50A	1150	125V		190	285	8.5	175	100	150	•	•

[1] FCC 47 Part 68: Minimum pulse load quantity is 2 pulses at a test generator output of 800V and 10x560µs waveform.
ITU-T K.20: Minimum pulse load quantity is 30 pulses at a test generator output of 1000V, 67A and 10x700µs waveform.
Bellcore GR-1089: Minimum pulse load quantity is 50 pulses at a test generator output of 1000V and 10x1000µs.

Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		397		

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• Americas Tel: +1 (404) 699-7820 E-mail: service@wickmannusa.com
• Asia Tel: +852 26 14-1108 E-mail: sales@wickmann.com.hk

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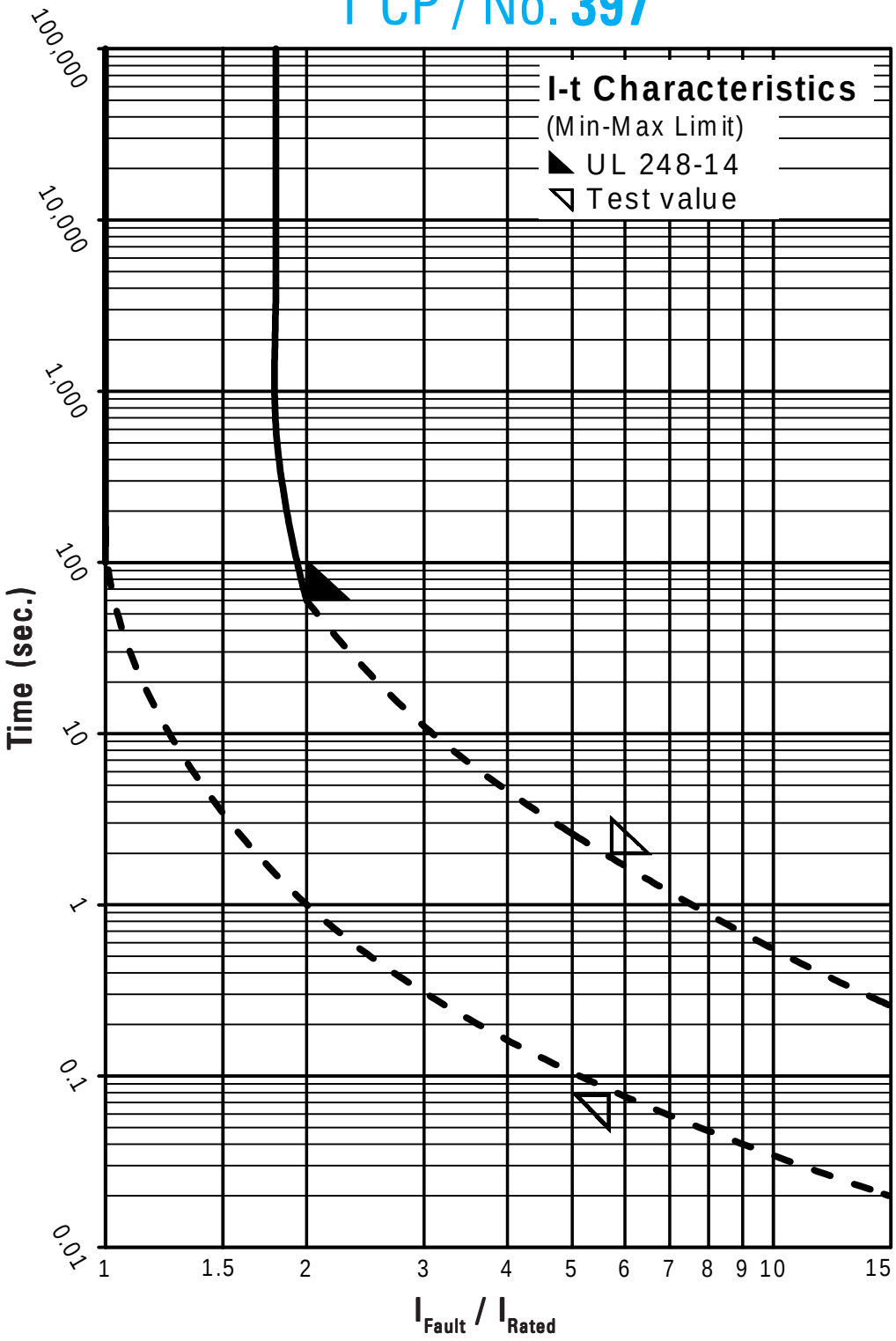

Contact WICKMANN for individual I-t curves