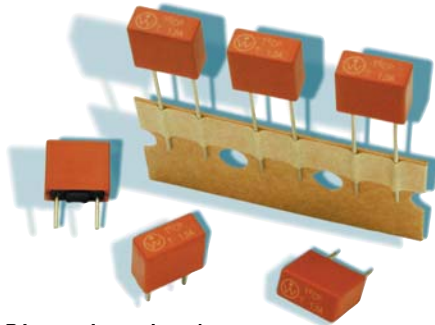
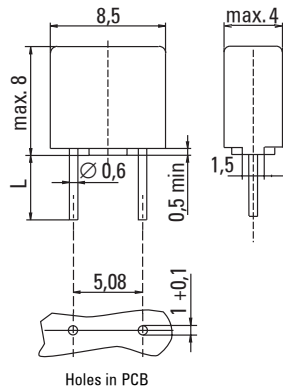


No. 397 / T²CP



Dimensions (mm)



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

UL 248-14, 125 V, T lead free

Time-Current Characteristic Transient Tolerant (T)

Standard

UL 248-14
CSA C22.2 No. 248.14

Approvals

UL Listed
cUL Listed

Features

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

Specifications

Packaging

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

Materials

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

Operating Temperature

-40 °C to +85 °C (consider de-rating)

Climatic Category

-40 °C/+85 °C/21 days (EN 60068-1,-2-1,-2-2,-78)

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 - 60 Hz at 0.75 mm amplitude
60 - 2000 Hz at 10 g acceleration

Lead Pull Strength

10 N (EN 60068-2-21)

Solderability

260 °C, ≤ 3 s (Wave)
350 °C, ≤ 3 s (Soldering iron)

Soldering Heat Resistance

260 °C, 10 s (IEC 60068-2-20)

Marking

W, T²CP, T, Current Rating

Unit Weight

0.60 g (approx.)



Limits for Pre-arcing Time

Rated Current	2.0 x I _N	5.7 x I _N (W)	17 x I _N (W)
350mA ... 1.50 A	< 60 s	80 ms ... 2 s	< 200 ms



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 _N (W) max. (mV)	Power Dissipation 1.0 x I _N (W) max. (mW)	Melting Integral 10 x I _N (W) min. (A ² s)	Surge Amplitude (A) ¹	Approvals		
							FCC	Bellcore	ITU	UL cUL
350 mA	0350	125 V	50A/125V AC 50-60Hz cos φ=1.0	400	140	0.38	25	15	29	• •
500 mA	0500	125 V		340	170	0.79	30	17	38	• •
800 mA	0800	125 V		300	240	2.4	60	31	50	• •
1.00 A	1100	125 V		240	240	3.5	78	40	65	• •
1.25 A	1125	125 V		200	250	5	100	50	67	• •
1.50 A	1150	125 V		190	285	8.5	155	78	67	• •

¹ FCC 47 Part 68: Minimum pulse load quantity is 2 pulses at a test generator output of 800 V and 10x560 μs waveform.
ITU-T K.20: Minimum pulse load quantity is 30 pulses at a test generator output of 1000 V, 67 A and 10x700 μs waveform.
Bellcore GR-1089: Minimum pulse load quantity is 50 pulses at a test generator output of 1000 V and 10x1000 μs.

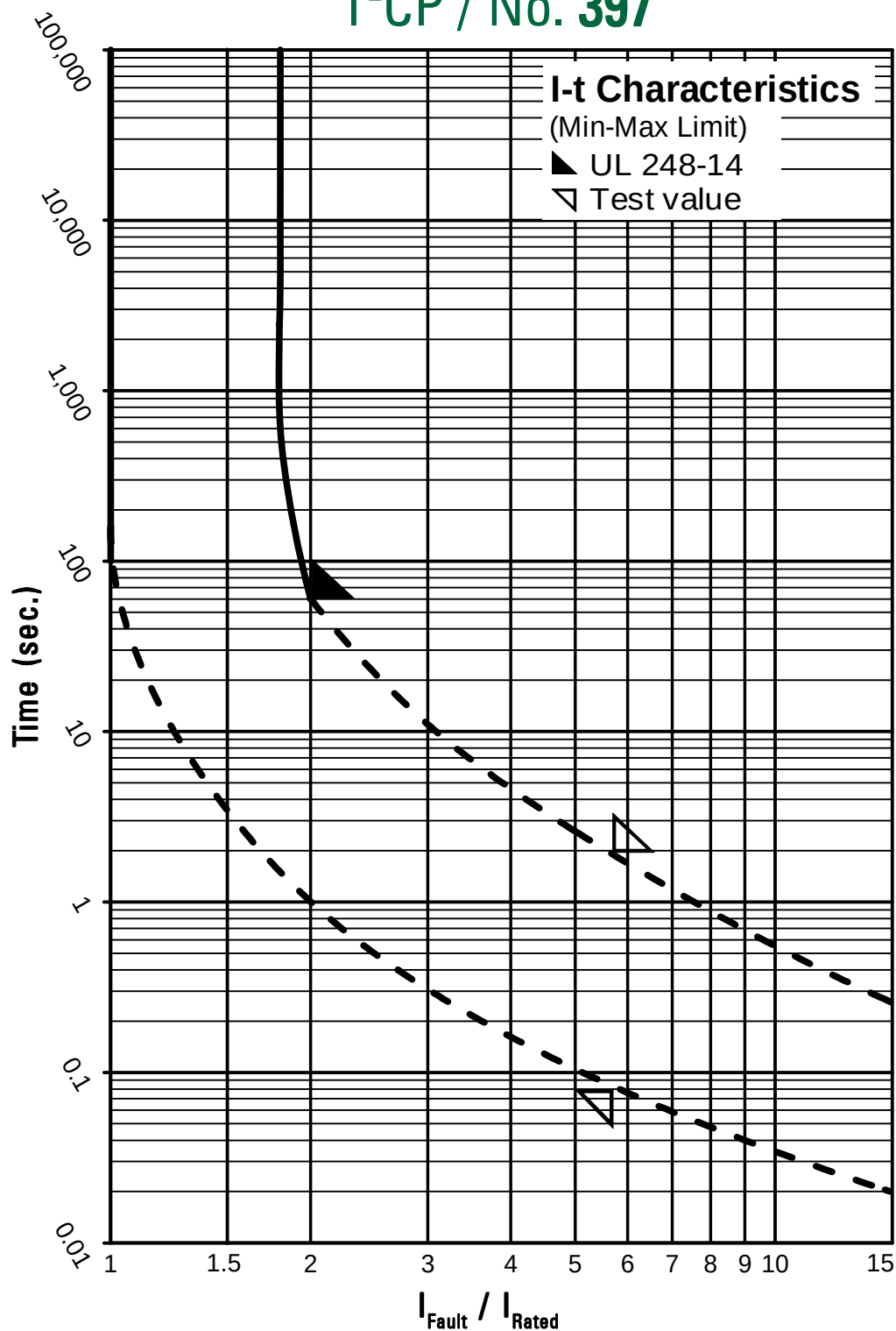
Note: 1.00 means the number one with two decimal places. 1,000 means the number one thousand.

Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		397		

Specifications are subject to change without notice

T²CP / No. 397



Contact Littelfuse for individual I-t curves