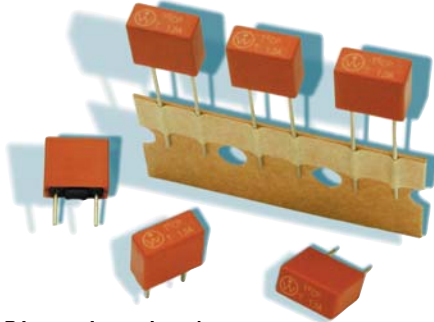
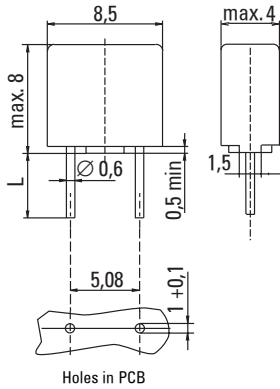


# No. 397 / T<sup>2</sup>CP



## 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

Ⓢ, T<sup>2</sup>CP, T, Current Rating

### Unit Weight

0.60 g (approx.)



### Limits for Pre-arcing Time

|                  |                      |                        |                       |
|------------------|----------------------|------------------------|-----------------------|
| Rated Current    | 2.0 x I <sub>N</sub> | 5.7 x I <sub>N</sub> Ⓢ | 17 x I <sub>N</sub> Ⓢ |
| 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<br>1.0 x I <sub>N</sub> Ⓢ<br>max. (mV) | Power Dissipation<br>1.0 x I <sub>N</sub> Ⓢ<br>max. (mW) | Melting Integral<br>10 x I <sub>N</sub> Ⓢ<br>min. (A <sup>2</sup> s) | Surge Amplitude (A) <sup>1</sup> |          |     | Approvals |     |
|---------------|----------|----------------|-------------------------------------|---|--|--|----------------------------------|----------|-----|-----------|-----|
|               |          |                |                                     |   |  |  | FCC                              | Bellcore | ITU | UL        | cUL |
| 350 mA        | 0350     | 125 V          | 50A/125V AC<br>50-60Hz<br>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  | •         | •   |

<sup>1</sup> 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.

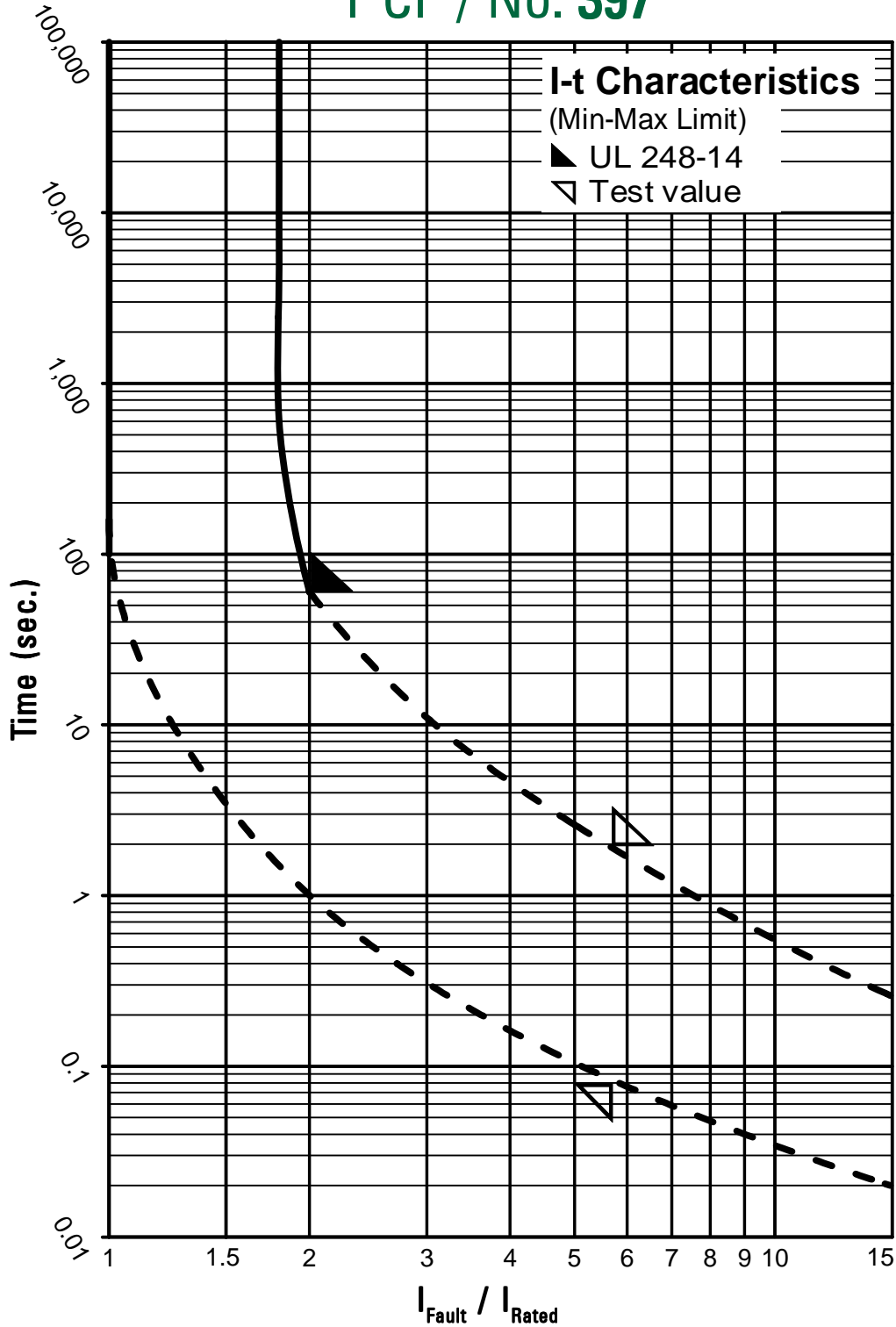
Note: 1.00 means the number one with two decimal places. 1,000 means the number one thousand.

### Order Information

| Qty. | Order-Number | Series | Amp Code | Packaging |
|------|--------------|--------|----------|-----------|
|      |              | 397    |          |           |

Specifications are subject to change without notice

## T<sup>2</sup>CP / No. 397



Contact Littelfuse for individual I-t curves