

# Telecom Fuse

Raychem Circuit Protection Products

## Specification Status: Released



### Max Electrical Rating at 20°C

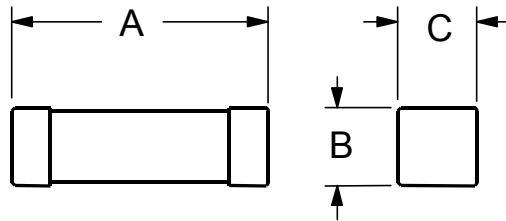
**Max Interrupting Rating: 60A at 600V<sub>AC</sub>**  
**Interrupt Voltage: 250V<sub>AC</sub>**  
**Interrupt Current: 50A<sub>AC</sub>**

Termination Material: Silver Plated Brass

Body Material: Ceramic

#### Marking:

 — Manufacturer's Mark  
 1250 — Part Identification



**TABLE I. DIMENSIONS:**

|     | A<br>TYP | B<br>TYP | C<br>TYP |
|-----|----------|----------|----------|
| mm: | 10.2     | 3.1      | 3.1      |
| in: | (0.402)  | (0.122)  | (0.122)  |

**TABLE II. PERFORMANCE RATINGS @ 20°C (unless otherwise noted):**

| CURRENT<br>RATING (A) | RESISTANCE (Ω)<br>TYP | OPENING TIME<br>@        |                          | OPERATING<br>TEMPERATURE<br>(°C) |     | MELTING I <sup>2</sup> t<br>(A <sup>2</sup> s)<br>TYP |
|-----------------------|-----------------------|--------------------------|--------------------------|----------------------------------|-----|---|
|                       |                       | 100% of rated<br>current | 250% of rated<br>current | MIN                              | MAX |   |
| 1.25                  | 0.1                   | 4 hours min              | 120 seconds max          | -55                              | 125 | 16  |

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**PRODUCT: FT600-1250**

DOCUMENT: SCD 25119  
PCN: D72863-000  
REV LETTER: G  
REV DATE: MAY 8, 2007  
PAGE NO.: 2 OF 2

Designed to allow compliance with Telcordia GR-1089 CORE, UL 60950, and TIA968 Surge Specifications.

| Standard/Test, Power Cross                       | Voltage (Vrms) | Short-Circuit Current (A) | Duration                |
|--|----------------|---------------------------|-------------------------|
| <b>GR-1089-CORE 1<sup>st</sup> Level, Test 1</b> | 50             | 0.33                      | 15 minutes              |
| Test 2   | 100            | 0.17                      | 15 minutes              |
| Test 3   | 200, 400, 600  | 1A at 600V                | 60 applications, 1 sec. |
| Test 4   | 1000           | 1A                        | 60 applications, 1 sec. |
| Test 6   | 600            | 0.5A                      | 30 seconds              |
| Test 7   | 600            | 2.2                       | 2 seconds               |
| Test 8   | 600            | 3                         | 1 seconds               |
| Test 9   | 1000           | 5                         | 0.5 seconds             |
| <b>GR-1089-CORE 2<sup>nd</sup> Level, Test 1</b> | 120, 277       | 25                        | 15 minutes              |
| Test 2   | 600            | 60                        | 5 seconds               |
| Test 3   | 600            | 7                         | 5 seconds               |
| Test 4   | 100-600        | 2.2                       | 15 minutes              |
| <b>UL 60950, 3<sup>rd</sup> edition, Test 1</b>  | 600            | 40                        | 1.5 seconds             |
| Test 2   | 600            | 7                         | 5 seconds               |
| Test 3   | 600            | 2.2                       | 30 minutes, 7 hour max. |

Agency Recognition:  
Precedence:  
Effectivity:

UL, CSA  
This specification takes precedence over documents referenced herein.  
Reference documents shall be the issue in effect on the date of invitation for bid.

## Materials Information

**ROHS Compliant**

Directive 2002/95/EC  
Compliant

**ELV Compliant**

Directive 2000/53/EC  
Compliant