

## Telecom Fuse

PRODUCT: FT600-0500

DOCUMENT: SCD25117  
PCN: D97371-000  
REV LETTER: G  
REV DATE: MAY 13, 2011  
PAGE NO.: 1 OF 2

**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  
 Part Identification

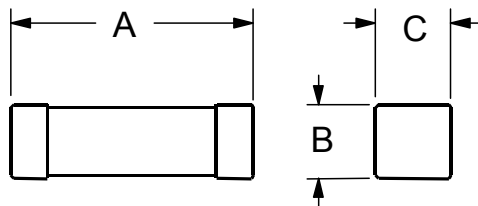
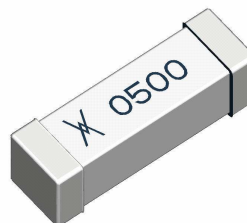


TABLE I. DIMENSIONS:

	A TYP	B TYP	C 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 RATING (A)	RESISTANCE (Ω) TYP	OPENING TIME @		OPERATING TEMPERATURE (°C)		MELTING I <sup>2</sup> t (A <sup>2</sup> s) TYP
		100% of rated current	250% of rated current	MIN	MAX	
0.5	0.5	4 hours min	120 seconds max	-55	125	1

308 Constitution Drive  
Menlo Park, CA 94025-1164  
Phone: 800-227-4856  
www.circuitprotection.com

## Telecom Fuse

DOCUMENT: SCD25117  
PCN: D97371-000  
REV LETTER: G  
REV DATE: MAY 13, 2011  
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