Tyco Electronics

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Telecom Fuse

Raychem Circuit Protection Products

PRODUCT: FT600-1250

DOCUMENT: SCD 25119
PCN: D72863-000
REV LETTER: G
REV DATE: MAY 8, 2007
PAGE NO.: 1 OF 2

Specification Status: Released

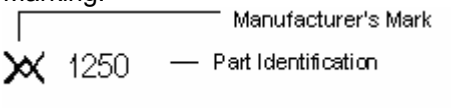
Max Electrical Rating at 20ºC

Max Interrupting Rating: 60A at 600V_{AC}
Interrupt Voltage: 250V_{AC}
Interrupt Current: 50A_{AC}

Termination Material: Silver Plated Brass

Body Material: Ceramic

Marking:





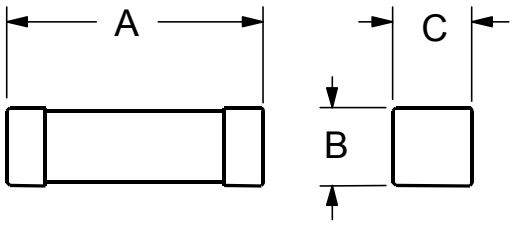


TABLE I. DIMENSIONS:

	A TYP	B TYP	C TYP
mm:	10.2	3.1	3.1
in:	(0.402)	(0.122)	(0.122)

TABLE II. PERFORMANCE RATINGS @ 20ºC (unless otherwise noted):

CURRENT	RESISTANCE (Ω)	OPENING TIME @		OPERATING TEMPERATURE (ºC)		MELTING I^2t (A^2 s)
RATING (A)	TYP	100% of rated current	250% of rated current	MIN	MAX	TYP
1.25	0.1	4 hours min	120 seconds max	-55	125	16

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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
GR-1089-CORE 1st Level, Test 1	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
GR-1089-CORE 2nd Level, Test 1	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
UL 60950, 3rd edition, Test 1	600	40	1.5 seconds
Test 2	600	7	5 seconds
Test 3	600	2.2	30 minutes, 7 hour max.

Agency Recognition: UL, CSA
Precedence: This specification takes precedence over documents referenced herein.
Effectivity: 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

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