

Tyco / Electronics
Raychem Circuit Protection
 308 Constitution Drive
 Menlo Park, CA 94025-1164
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PolySwitch®
PTC Devices
 Overcurrent Protection Device

PRODUCT: TRF250-120T-R2-B-0.5

DOCUMENT: SCD 26447
 PCN: RF0327-000
 REV LETTER: A
 REV DATE: NOVEMBER 7, 2005
 PAGE NO.: 1 OF 1

Specification Status: Released

Max Electrical Rating at 20°C

Operating Voltage: 60V_{DC}
Interrupt Current: 3A_{RMS}

Fault Voltage: 250V_{RMS}

Lead Material :
 22 AWG Sn plated copper

Marking:

- _____ Raychem Logo
- ⊗ 20 _____ Part Identification
- _____ Lot Identification

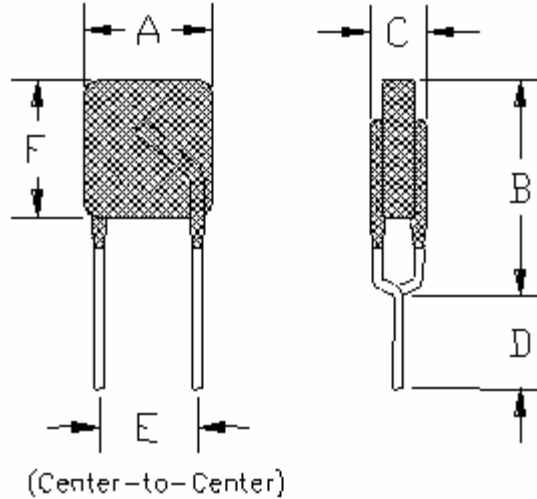


TABLE I. DIMENSIONS:

A		B		C		D		E	F		
MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	NOM	MIN	MAX	
mm:	--	6.5	--	11.0	--	4.6	4.7	--	5.0	--	7.0
in:	--	(0.256)	--	(0.433)	--	(0.180)	(0.185)	--	(0.197)	--	(0.276)

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

IHOLD (A)	ITRIP (A)	RESISTANCE (Ω) @ 20°C			TIME TO TRIP (s) @ 1A	OPERATING TEMPERATURE (°C)				
		R MIN	R MAX	R _{1 MAX} *		TYP	MIN	MAX		
20°C	20°C									
0.120	0.240	8.0	10.5	16.0	0.75	-40	85			

*Maximum device resistance at 20°C measured 1 hour post trip.

Additional Ratings @ 20°C

Resistance Matched 0.5 Ohm
 Lightning Withstand ITU AT 1.5kV

Agency Recognition:
 Reference Documents:
 Precedence:
 Effectivity:
 CAUTION:

UL, CSA, TUV pending
 PS300
 This specification takes precedence over documents referenced herein.
 Reference documents shall be the issue in effect on the date of invitation for bid.
 Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

ROHS Compliant

ELV Compliant

Pb-Free

