

**Tyco / Electronics**  
**Raychem Circuit Protection**  
 308 Constitution Drive  
 Menlo Park, CA 94025-1164  
 Phone: 800-227-4856  
 Fax: 800-227-4866

**PolySwitch®**  
**PTC Devices**  
 Overcurrent Protection Device

**PRODUCT: TRF250-120T-R1-B-0.5**

DOCUMENT: SCD 26215  
 PCN: RF0015-000  
 REV LETTER: A  
 REV DATE: JUNE 8, 2005  
 PAGE NO.: 1 OF 1

**Specification Status: Preliminary**

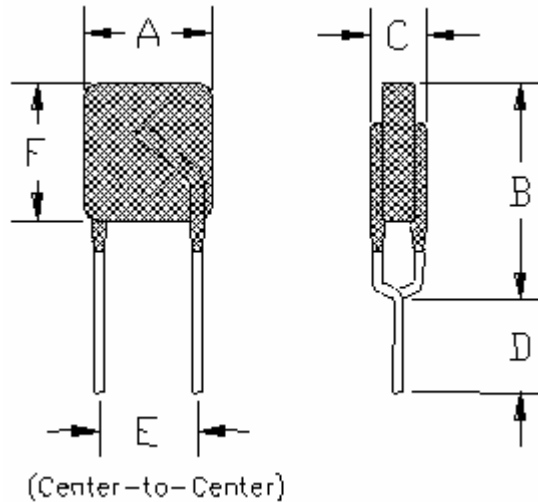
**Max Electrical Rating at 20°C**

**Operating Voltage: 60V<sub>DC</sub>**  
**Fault Voltage: 250V<sub>RMS</sub>**  
**Interrupt Current: 3A<sub>RMS</sub>**

Lead Material :  
 22 AWG Sn plated copper

**Marking:**

- Raychem Logo
- XX 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
--	6.5	--	11.0	--	4.6	4.7	--	5.0	--	7.0
--	(0.256)	--	(0.433)	--	(0.180)	(0.185)	--	(0.197)	--	(0.276)

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

I <sub>HOLD</sub> (A)	RESISTANCE (Ω)			TIME TO TRIP (s) @ 1A TYP	OPERATING TEMPERATURE (°C)	
	R MIN	R MAX	R <sub>1 MAX</sub> *		MIN	MAX
20°C	6.0	9.0	16	1.0	-40	85

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

**Additional Ratings @ 20°C**

Resistance Matched 0.5 Ohm  
 Lightning Withstand ITU AT 1.5kV

Agency Recognition: UL, CSA, TUV pending  
 Reference Documents: PS300  
 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.  
 CAUTION: Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

**ROHS Compliant**

**ELV Compliant**

**Pb-Free**

Directive 2002/95/EC  
 Compliant

Directive 2000/53/EC  
 Compliant

