

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

**PRODUCT: TRF250-120US**

DOCUMENT: SCD 26219  
 PCN: RF0019-000  
 REV LETTER: A  
 REV DATE: JUNE 8, 2005  
 PAGE NO.: 1 OF 1

**Specification Status: Preliminary**

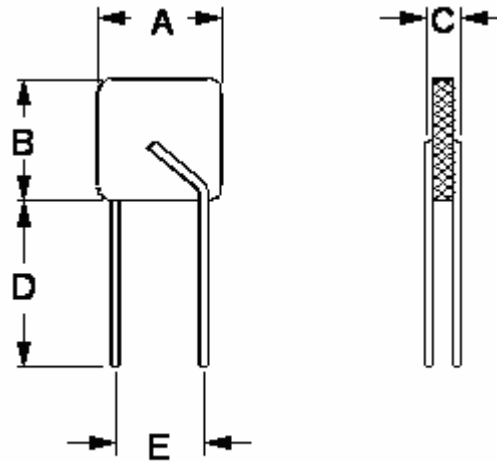
**Max Electrical Rating at 20°C**

**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
- ⊗ 20 \_\_\_\_\_ Part Identification
- □ □ \_\_\_\_\_ Lot Identification



**Center-to-Center**

**TABLE I. DIMENSIONS:**

	A		B		C		D		E
	Min	Max	Min	Max	Min	Max	Min	Max	Nom
mm:	--	6.0	--	6.0	--	3.8	4.7	--	5.0
in:	--	(0.236)	--	(0.236)	--	(0.150)	(0.185)	--	(0.197)

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

IHOLD (A)		RESISTANCE (Ω) @ 20° C			TIME TO TRIP (s) @ 1A		OPERATING TEMPERATURE (°C)	
20°C	70°C	R MIN	R MAX	R <sub>1,MAX</sub> *	TYP	MAX	MIN	MAX
0.120	0.060	6.0	10.0	16.0	1.0	2.0	-40	85

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

Additional Ratings @ 20°C

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

**Materials Information**

**ROHS Compliant**

**ELV Compliant**

**Pb-Free**

Directive 2002/95/EC  
Compliant

Directive 2000/53/EC  
Compliant

