

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: TR250-120**

DOCUMENT: SCD 22547  
 PCN: 018960, 395235  
 REV LETTER: J  
 REV DATE: JANUARY 14, 2002  
 PAGE NO.: 1 OF 1

**Specification Status: RELEASED**

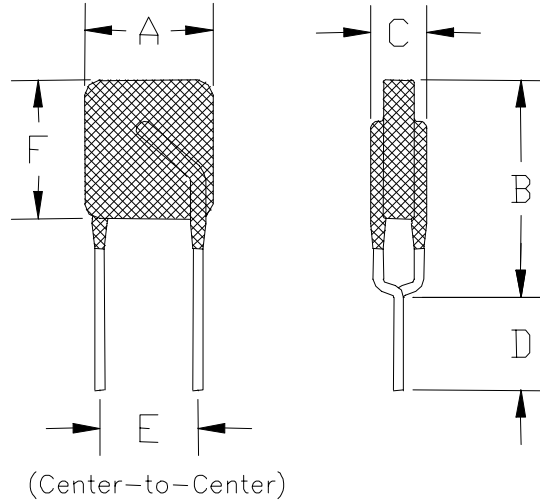
**Max Electrical Rating at 20°C**

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

Lead Material : 22 AWG Sn/Pb 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	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)		RESISTANCE (Ω) @ 20° C			TIME TO TRIP @ 1A	OPERATING TEMPERATURE (°C)	
20°C	70°C	R MIN	R MAX	R <sub>1</sub> MAX*	Seconds, Typical	MIN	MAX
0.120	0.060	4.0	8.0	16.0	1.5	-40	85

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

Additional Rating @ 20°C

Lightning Withstand: ITU @ 1.5KV      Storage Temperature: -40° to 85° C

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.