

**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: TR250-080U**

DOCUMENT: SCD 23431  
 PCN: 856313  
 REV LETTER: E  
 REV DATE: NOVEMBER 14, 2001  
 PAGE NO.: 1 OF 1

**Specification Status: RELEASED**

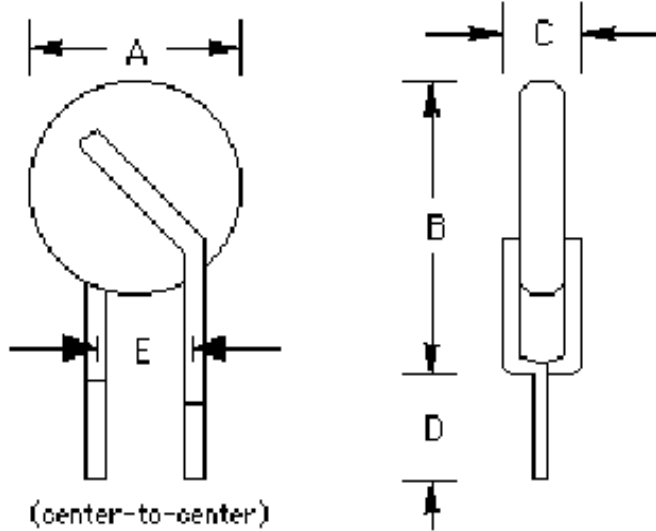
**Max Electrical Rating at 20°C**

**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:

None



**TABLE I. DIMENSIONS**

	A		B		C		D		E
	Min	Max	Min	Max	Min	Max	Min	Max	Nom
mm:	--	4.8	--	9.30	--	3.8	4.7	--	5.0
in*:	--	(0.189)	--	(0.366)	--	(0.150)	(0.185)	--	(0.197)

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

IHOLD (A)	RESISTANCE (Ω) @ 20° C			TIME TO TRIP @ 0.35A Seconds, MAX	OPERATING TEMPERATURE (°C)	
	R MIN	R MAX	R <sub>1 MAX</sub> *		MIN	MAX
20°C	14.0	20.0	33.0	3	-40	85

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

Additional Rating @ 20°C

Lightning Withstand: ITU @ 1.0KV      Storage Temperature: -40 to 85° C

Agency Recognition: UL, CSA, TUV  
 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.