

**Tyco Electronics/  
Raychem Circuit Protection**  
308 Constitution Drive  
Menlo Park, CA 94025-1164  
Phone: 800-227-4856  
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**PolySwitch®  
PTC Devices**  
Overcurrent Protection Device

**PRODUCT: TSL250-080**

DOCUMENT: SCD 24623  
PCN: 113192  
REV LETTER: I  
REV DATE: APRIL 18, 2002  
PAGE NO.: 1 OF 1

**Specification Status: RELEASED**

**Max Electrical Rating at 20°C**

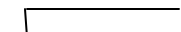


Operating Voltage: **80V<sub>DC</sub>**

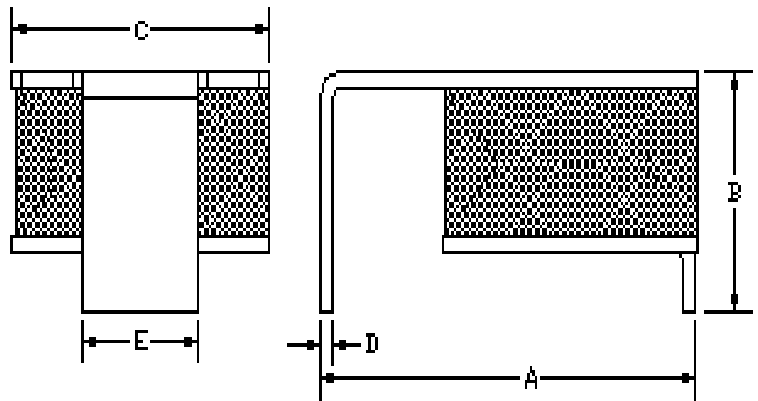
Fault Voltage: **250V<sub>RMS</sub>**

Interrupt Current: **3A<sub>RMS</sub>**

**Terminal Material:** Tin plated brass

**Marking:**

-  Raychem Logo
-  T08 Part Identification
-  Lot Identification



**TABLE I. DIMENSIONS:**

	A		B		C		D		E	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm*	6.7	7.9	2.7	3.7	4.8	5.3	0.2	0.4	2.5	3.1
in:	(0.265)	(0.310)	(0.110)	(0.145)	(0.190)	(0.210)	(0.008)	(0.015)	(0.100)	(0.120)

\*Rounded off approximation

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

IHOLD (A)		RESISTANCE (Ohms)			TIME TO TRIP (s) @ 1A	OPERATING Temperature (°C)		Tripped State Power Dissipation (W)
20°C	70°C	R MIN	R MAX	R <sub>1</sub> MAX*	Seconds, Typical	MIN	MAX	Typical
0.080	0.044	5.0	11.0	20.0	0.8	-40	85	1.2

\* Maximum device resistance at 20°C measured 1 hour post trip or 24 hours post reflow.

**Additional Rating @ 20°C**

Lightning Withstand: Per Telcordia GR1089  
Intrabuilding  
2 hits 2/10µsec, 1500V, 100A

Storage Temperature: -40°C 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.