

**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

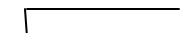
Operating Voltage: **80V_{DC}**

Fault Voltage: **250V_{RMS}**

Interrupt Current: **3A_{RMS}**

Terminal Material: Tin plated brass

Marking:

 Raychem Logo
 T08 Part Identification
 Lot Identification

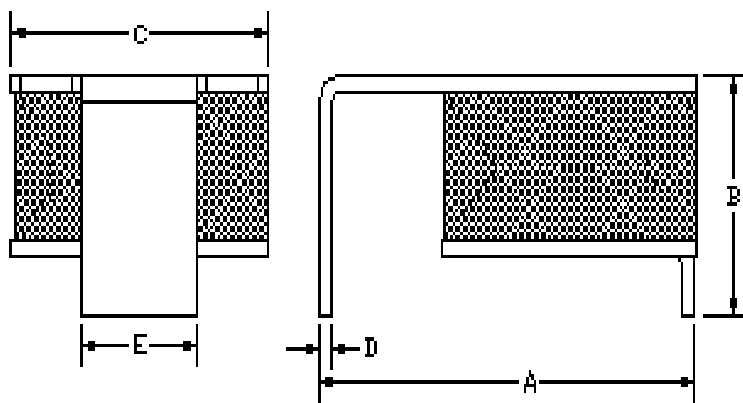


TABLE I. DIMENSIONS:

	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 Seconds, Typical	OPERATING Temperature (°C)		Tripped State Power Dissipation (W) Typical
20°C	70°C	R MIN	R MAX	R ₁ MAX*		MIN	MAX	
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.