

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: TR250-145

DOCUMENT: SCD 22544
 PCN: 844735
 REV LETTER: I
 REV DATE: MARCH 6, 2002
 PAGE NO.: 1 OF 1

Specification Status: Released

Max Electrical Rating at 20°C

Operating Voltage: 60V_{DC}

Fault Voltage: 250V_{RMS}

Interrupt Current: 3A_{RMS}

Lead Material :

22 AWG Sn/Pb plated copper

Marking:

Raychem Logo
 X 45 — Part Identification
 □ □ □ □ — Lot Identification

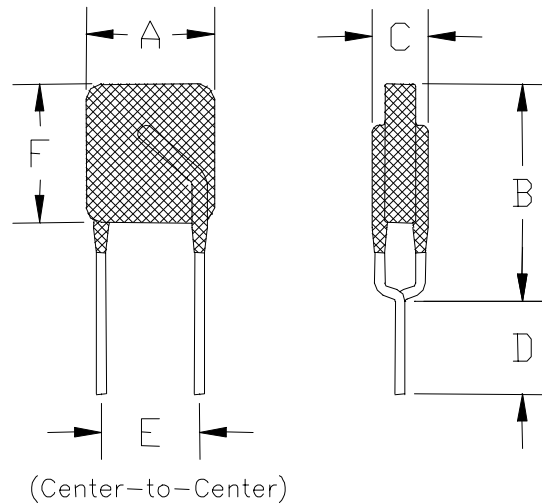


TABLE I. DIMENSIONS:

	A		B		C		D		E	F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	NOM	MIN	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			TYPICAL TIME TO TRIP (S) @ 1A TYP	OPERATING TEMPERATURE (°C)	
20°C	70°C	R MIN	R MAX	R ₁ MAX*		MIN	MAX
0.145	0.070	3.0	6.0	14.0	2.5	-40	85

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

Additional Ratings @ 20°C

Lightning Withstand ITU AT 1.5kV

Storage Temperature: -40° to 85°C

Agency Recognition:
 Reference Documents:
 Precedence:
 Effectivity:
 CAUTION:

UL, CSA, TUV
 PS300

This specification takes precedence over documents referenced herein.

Reference documents shall be the issue in effect on the date of invitation for bid.

Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.