

Tyco / Electronics
Raychem Circuit Protection
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PolySwitch®
PTC Devices
 Overcurrent Protection Device

PRODUCT: TR250-145U

DOCUMENT: SCD 22361
 PCN: 930517
 REV LETTER: L
 REV DATE: JANUARY 26, 2004
 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
- XX 45 — Part Identification
- □ □ — Lot Identification

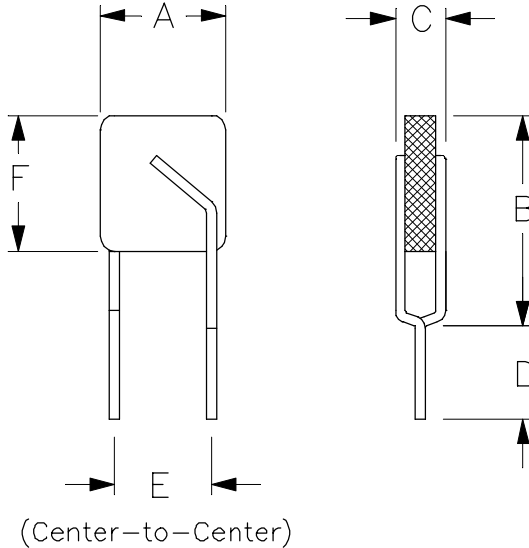


TABLE I. DIMENSIONS:

	A		B		C		D		E	F	
	Min	Max	Min	Max	Min	Max	Min	Max	Nom	Min	Max
mm:	--	6.0	--	10.0	--	3.8	4.7	--	5.0	--	6.0
in:	--	(0.236)	--	(0.394)	--	(0.150)	(0.185)	--	(0.197)	--	(0.236)

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

I HOLD (A)		RESISTANCE (Ω) @ 20° C			TIME TO TRIP (s) @ 1A	OPERATING TEMPERATURE (°C)	
20°C	70°C	R MIN	R MAX	R _{1 MAX} *	TYP	MIN	MAX
0.145	0.070	3.5	6.5	12.0	2.0	-40	85

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

Additional Ratings @ 20°C

Lightning Withstand: ITU AT 1.5kV

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