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Raychem
PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: TR250-145U

DOCUMENT: SCD 22361
PCN: 930517X001
REV LETTER: I
REV DATE: APRIL 24, 1999
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:

Manufacturer's Mark
X 45 — Part Identification
□ □ □ — Lot Identification

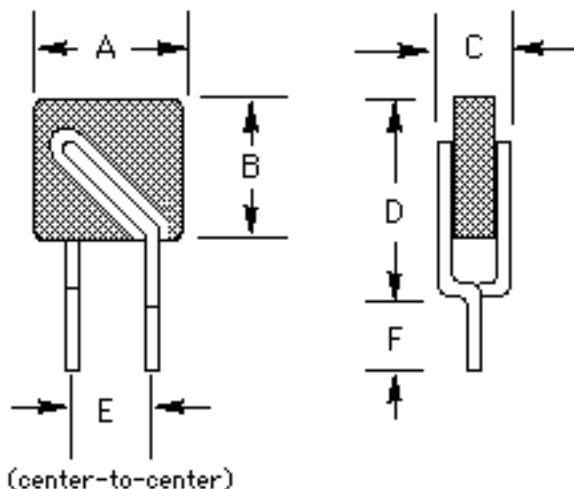


TABLE I. DIMENSIONS:

	A		B		C		D		E	F	
	Min	Max	Min	Max	Min	Max	Min	Max	Nom	Min	Max
mm:	--	6.0	--	6.0	--	3.8	--	10.0	5.0	4.7	--
in:	--	(0.236)	--	(0.236)	--	(0.150)	--	(0.393)	(0.197)	(0.185)	--

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

I HOLD (A)		RESISTANCE (Ω) @ 20° C			TIME TO TRIP @ 1A	OPERATING TEMPERATURE (°C)	
20°C	70°C	R MIN	R MAX	R _{1MAX} *	Seconds, Typical	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: ITUK.21 AT 1.5KV
Trip Endurance: 250V, 3A, 15min

Storage Temperature: -40 to 85° C
Storage Humidity: MIL-STD-202, Method 103B
Test Condition C

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