

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

PRODUCT: TRF250-110U

DOCUMENT: SCD 26316
 PCN: RF0126-000
 REV LETTER: B
 REV DATE: NOVEMBER 1, 2005
 PAGE NO.: 1 OF 1

Specification Status: RELEASED

Max Electrical Rating at 20°C

Operating Voltage: 60V_{DC}
Interrupt Current: 3A_{RMS}

Fault Voltage: 250V_{RMS}

Lead Material: 22 AWG Sn plated
 copper

Marking: None

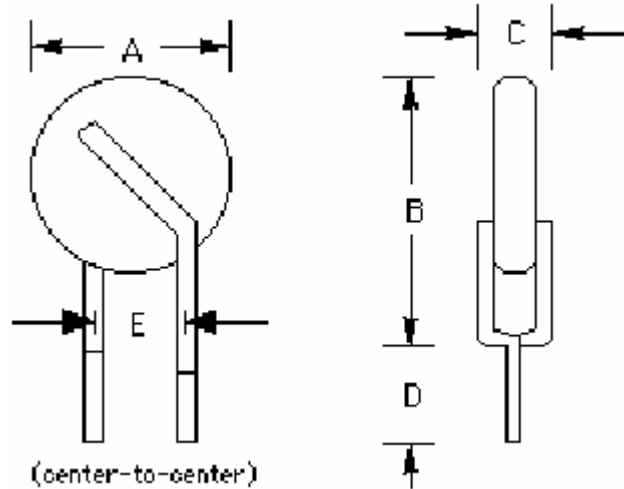


TABLE I. DIMENSIONS:

	A		B		C		D	E
	MIN	MAX	MIN	MAX	MIN	MAX	NOM	NOM
mm:	--	5.33	--	9.4	--	3.8	4.7	5.0
in:	--	(0.210)	--	(0.370)	--	(0.150)	(0.185)	(0.197)

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

I HOLD (A)	I TRIP (A)	RESISTANCE (Ω) @ 20°C			TIME TO TRIP (s) @ 1A		OPERATING TEMPERATURE (°C)	
		R MIN	R MAX	R _{1 MAX} *	TYP	MAX	MIN	MAX
20°C	20°C							
0.110	0.220	5.0	9.0	16.0	0.75	1.2	-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 pending
 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.

Materials Information

ROHS Compliant

ELV Compliant

Pb-Free

Directive 2002/95/EC
 Compliant

Directive 2000/53/EC
 Compliant

