

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

PRODUCT: TR250-080U

DOCUMENT: SCD 23431
 PCN: 856313
 REV LETTER: E
 REV DATE: NOVEMBER 14, 2001
 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:

None

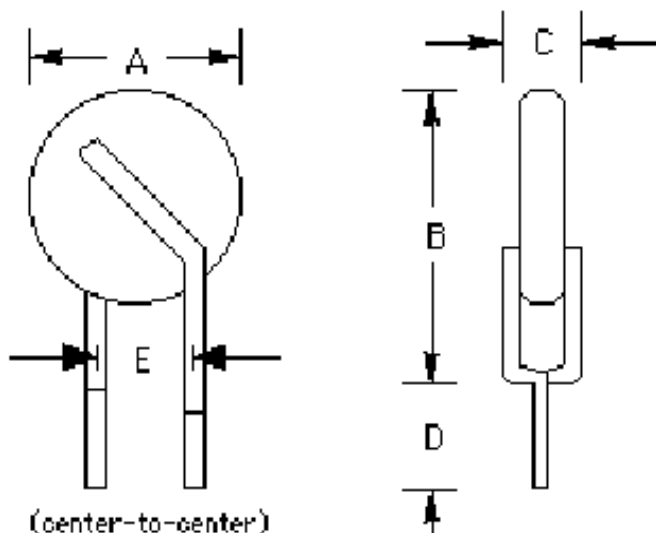


TABLE I. DIMENSIONS

	A		B		C		D		E
	Min	Max	Min	Max	Min	Max	Min	Max	Nom
mm:	--	4.8	--	9.30	--	3.8	4.7	--	5.0
in*:	--	(0.189)	--	(0.366)	--	(0.150)	(0.185)	--	(0.197)

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

IHOLD (A)	RESISTANCE (Ω) @ 20° C			TIME TO TRIP @ 0.35A	OPERATING TEMPERATURE (°C)	
20°C	R MIN	R MAX	R _{1 MAX} *	Seconds, MAX	MIN	MAX
0.080	14.0	20.0	33.0	3	-40	85

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

Additional Rating @ 20°C

Lightning Withstand: ITU @ 1.0KV

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.