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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

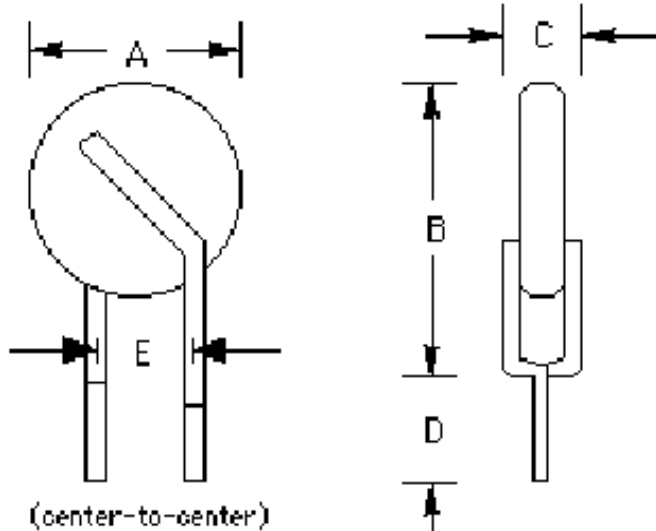


TABLE I. DIMENSIONS

	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 Seconds, MAX	OPERATING TEMPERATURE (°C)	
	R MIN	R MAX	R _{1 MAX} *		MIN	MAX
20°C	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: 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.