

Tyco / Electronics
Raychem Circuit Protection
 308 Constitution Drive
 Menlo Park, CA 94025-1164
 Phone: 800-227-4856
 Fax: 800-227-4866

PolySwitch®
PTC Devices
 Overcurrent Protection Device

PRODUCT: TR250-120

DOCUMENT: SCD 22547
 PCN: 018960, 395235
 REV LETTER: L
 REV DATE: MAY 25, 2006
 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/Pb plated
 copper (0.65 mm [0.026"] nominal diameter)

External Coating Material: Cured, flame
 retardant epoxy polymer, meeting UL94 V-0
 requirements.

Marking:

Raychem Logo
 Part Identification
 RoHS Indication
 XX 20
 Lot Identification

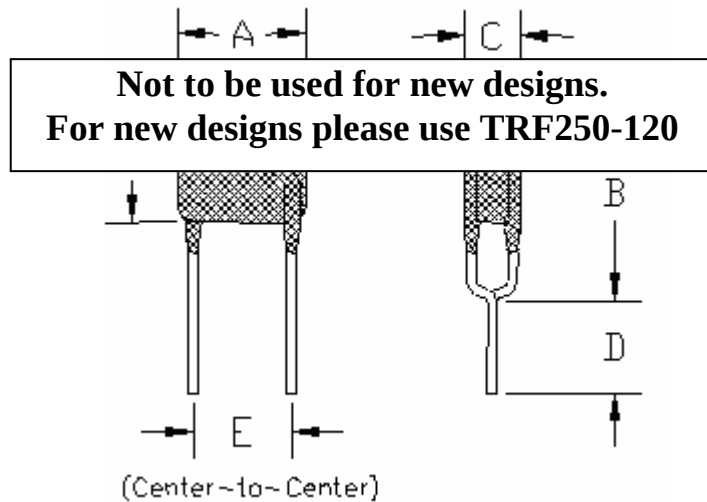


TABLE I. DIMENSIONS:

	A		B		C		D		E	F
	Min	Max	Min	Max	Min	Max	Min	Max	Nom	Max
mm:	--	6.5	--	11.0	--	4.6	4.7	--	5.0	7.0
in:	--	(0.256)	--	(0.433)	--	(0.180)	(0.185)	--	(0.197)	(0.276)

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

IHOLD (A)	ITRIP (A)	RESISTANCE (Ω)			TIME TO TRIP (s) @ 1A	OPERATING TEMPERATURE (°C)	
		R MIN	R MAX	R _{1 MAX} *		MIN	MAX
0.120	0.240	4.0	8.0	16.0	1.5	-40	85

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

Additional Rating @ 20°C

Lightning Withstand: ITU-T @ 1.5KV

Storage Temperature: -40° to 85° C

Recognitions:

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.