

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

PRODUCT: TRF250-120T

DOCUMENT: SCD 26213
 PCN: RF0013-000, RF0537-000
 REV LETTER: C
 REV DATE: MARCH 27, 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 plated copper
 (0.65 mm [0.026"] nominal diameter)

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

Marking:

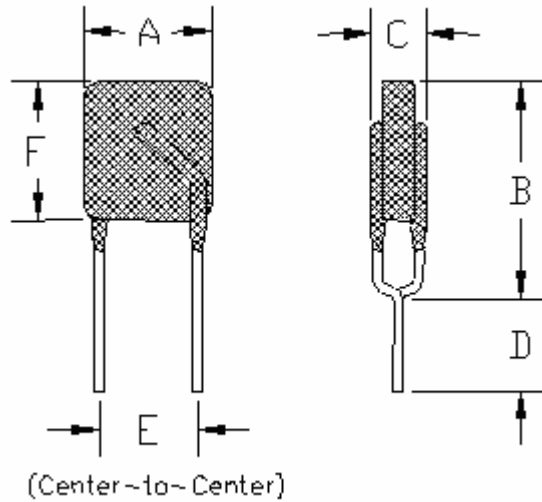
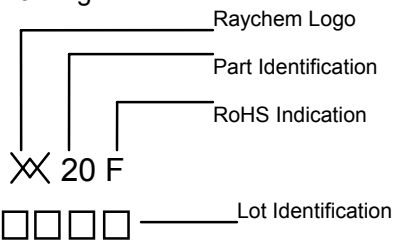


TABLE I. DIMENSIONS:

	A		B		C		D		E	F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	NOM	MIN	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):

I _{HOLD} (A)	I _{TRIP} (A)	RESISTANCE (Ω)			TIME TO TRIP (s) @ 0.35A		OPERATING TEMPERATURE (°C)	
		R MIN	R MAX	R _{1 MAX} *	TYP	MAX	MIN	MAX
0.120	0.240	7.0	12.0	16.0	0.7	1.2	-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

Agency Recognitions
 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.

ROHS Compliant

ELV Compliant

Pb-Free

Directive 2002/95/EC
 Compliant

Directive 2000/53/EC
 Compliant

