

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: TRF250-180

DOCUMENT: SCD 25040
 PCN: E46226, C32417
 REV LETTER: D
 REV DATE: JANUARY 21, 2003
 PAGE NO.: 1 OF 1

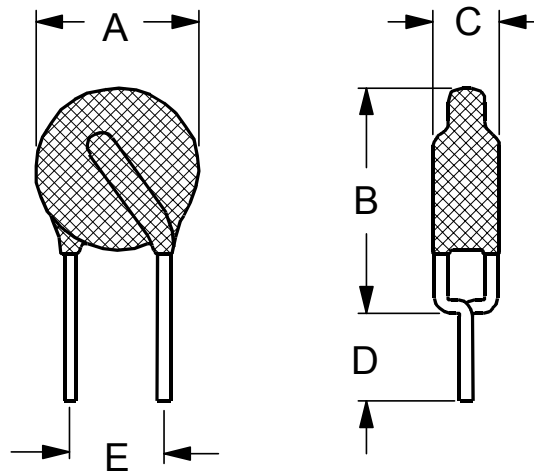
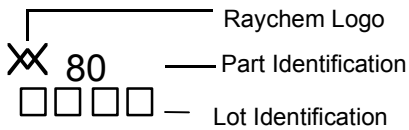
Specification Status: RELEASED

Max Electrical Rating at 20°C

Operating Voltage: 100V_{DC}
Fault Voltage: 250V_{RMS}
Interrupt Current: 10A_{RMS}

Lead Material : 100% Tin plated copper

Marking:



(Center-to-Center)

TABLE I. DIMENSIONS

	A		B		C		D		E
	Min	Max	Min	Max	Min	Max	Min	Max	Nom
mm:	--	9.0	--	12.0	--	3.8	4.7	--	5.0
in*:	--	(0.354)	--	(0.472)	--	(0.150)	(0.185)	--	(0.197)

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

I HOLD (A)	RESISTANCE (Ω) @ 20° C			TIME TO TRIP (s) @ 3A		OPERATING TEMPERATURE (°C)		
	R MIN	R MAX	R _{1 MAX} *	TYP	MAX	MIN	MAX	
20°C	0.180	0.8	2.2	4.0	0.5	2.0	-40	85

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

Additional Ratings @ 20°C

Lightning Withstand: ITU at 1.5kV

Agency Approvals: 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.