

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: TS600-170F

DOCUMENT: SCD 26004
 PCN: D83387-000
 REV LETTER: B
 REV DATE: FEBRUARY 15, 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: **600V_{RMS}**

Terminal Material: Tin plated brass

Case Material: 1000 V Dielectric rating

Marking:

— Raychem Logo
 X X T20 — Part Identification
 □ □ □ □ — Lot Identification

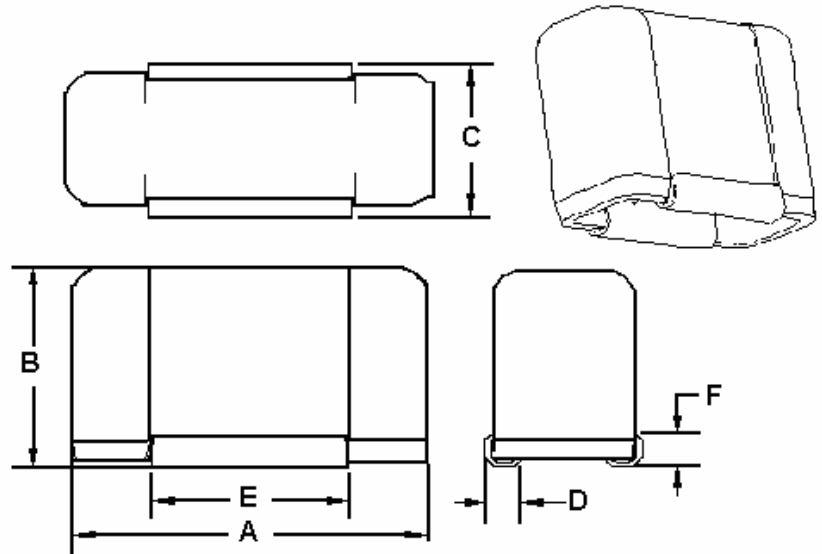


TABLE I. DIMENSIONS:

	A		B		C		D		E		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	18.29	19.43	11.56	12.32	7.24	8.26	1.65	2.41	9.91	10.41	1.52	2.29
in*:	(0.720)	(0.765)	(0.455)	(0.485)	(0.285)	(0.325)	(0.065)	(0.095)	(0.390)	(0.410)	(0.060)	(0.090)

*Rounded off approximation

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

I _{HOLD} (A)		RESISTANCE (Ω)				TIME TO TRIP (s) @ 1A TYP	OPERATING Temperature (°C)		Power Dissipation Watts, Typical
20°C	70°C	R MIN	R MAX	R _{1Inst} *	R _{1MAX} **		MIN	MAX	
0.170	0.090	4.0	9.0	18.0	18.0	10	-40	85	2.5

*Post Reflow Resistance, measured after one hour.

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

Agency Recognitions:
 Reference Documents:
 Precedence:
 Effectivity:
 CAUTION:

CSA, UL Recognition file #E74889
 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.

Materials Information

ROHS Compliant

ELV Compliant

Pb-Free

Directive 2002/95/EC
 Compliant

Directive 2000/53/EC
 Compliant

