

**Tyco / Electronics**  
**Raychem Circuit Protection**  
 308 Constitution Drive  
 Menlo Park, CA 94025-1164  
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**PolySwitch®**  
**PTC Devices**  
 Overcurrent Protection Device

**PRODUCT: TS600-170F**

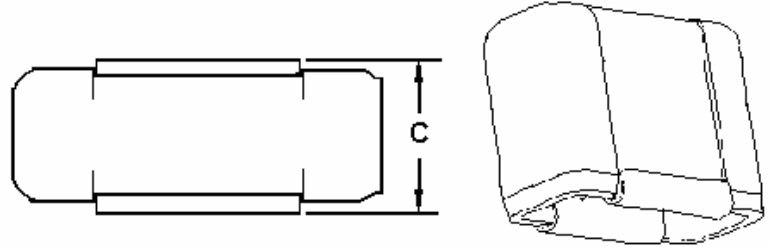
DOCUMENT: SCD 26004  
 PCN: D83387-000  
 REV LETTER: B  
 REV DATE: FEBRUARY 15, 2006  
 PAGE NO.: 1 OF 1

**Specification Status: RELEASED**

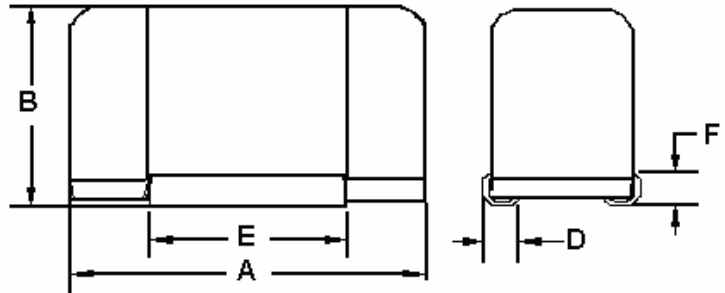
**Max Electrical Rating at 20°C**

Operating Voltage: **60V<sub>DC</sub>**  
 Interrupt Current: **3A<sub>RMS</sub>**

Fault Voltage: **600V<sub>RMS</sub>**



**Terminal Material:** Tin plated brass  
**Case Material:** 1000 V Dielectric rating  
**Marking:**



- Raychem Logo
- ⊗ 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)	OPERATING Temperature (°C)		Power Dissipation
20°C	70°C	R MIN	R MAX	R <sub>1Inst</sub> *	R <sub>1MAX</sub> **	@ 1A TYP	MIN	MAX	Watts, Typical
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: CSA, UL Recognition file #E74889  
 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.

**Materials Information**

ROHS Compliant

ELV Compliant

Pb-Free

