

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: TS600-170F

DOCUMENT: SCD26004

REV LETTER: D

REV DATE: JULY 26, 2016

PAGE NO.: 1 OF 2

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:

Manufactuer's Mark

XX T20— Part Identification

Lot Identification

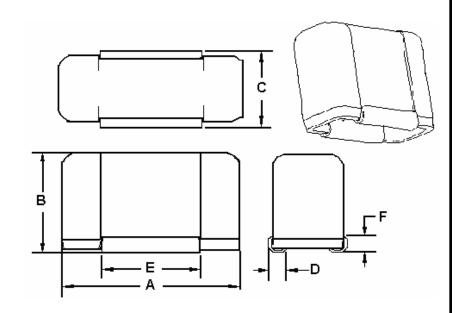


TABLE I. DIMENSIONS:

	Α		В		С		D		E		F	
	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 appoximation

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

IHOL	.D (A)		RESIST	ANCE (Ω)		TIME TO TRIP (s)	OPERATING		Power	
						@ 1A	Temperature (°C)		Dissipation	
20°C	70°C	R MIN	R MAX	R₁Inst*	R ₁ MAX**	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.

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

Directive 2002/95/EC Compliant Directive 2000/53/EC Compliant



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



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