

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: TS600-400F

DOCUMENT: SCD26381 REV LETTER: H REV DATE: JULY 26, 2016

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Specification Status: Released

Maximum Operating Voltage: 60 VDC

Fault Ratings at 20°C:

250V_{AC}, 3A, 10 applications 600V_{AC}, 60A, 1 application

Additional Info at 20°C:

• Resistance matched: N/A

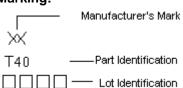
• Lightning withstand: GR1089 Levels 1 & 2

Helps equipment meet UL60950 (UL1459) and GR1089

Terminal Material: Tin-Plated Brass

Case Material: 1000V Dielectric Rating

Marking:



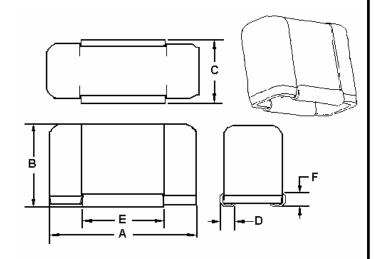


TABLE I. DIMENSIONS:

	Α		В		С		D		E		F	
	MIN	MAX										
mm:	18.3	19.4	11.6	12.3	7.2	8.3	1.7	2.4	9.9	10.4	1.5	2.3
in:*	(0.72)	(0.77)	(0.46)	(0.49)	(0.29)	(0.33)	(0.07)	(0.09)	(0.39)	(0.41)	(0.06)	(0.09)

^{*}Rounded off approximation

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

HOLD CURRENT	TRIP CURRENT	RESISTANCE (Ω)		TIME TO TRIP(Sec) @ 3A				TRIPPED POWER DISSIPATION	
(A)	(A)	R MIN	R Тур	R ₁ MAX*	TYP	MAX	MIN	MAX	(W) TYP @ 60V _{DC}
0.400	1.000	0.5	1.1	2.0	5.0 14.0		-40	85	2.0

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

TABLE III. APPLICABLE PART DESCRIPTIONS:

- 1				
	PART DESCRIPTION	PCN # (INTERNAL USE ONLY)	PACKAGING TYPE	NOTE
	TS600-400F	RF0309-000	Bulk	N/A

Agency Recognitions: UL (file #E74889), CSA (file #78165)

Reference Documents: PS300, GR1089 specifications, UL60950

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





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