

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: TS600-400F

DOCUMENT: SCD26381
PCN: REFER TO TABLE III BELOW
REV LETTER: H
REV DATE: MAY 14, 2011
PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Operating Voltage: 60 V_{DC}

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:

XX — Manufacturer's Mark
T40 — Part Identification
□□□□ — Lot Identification

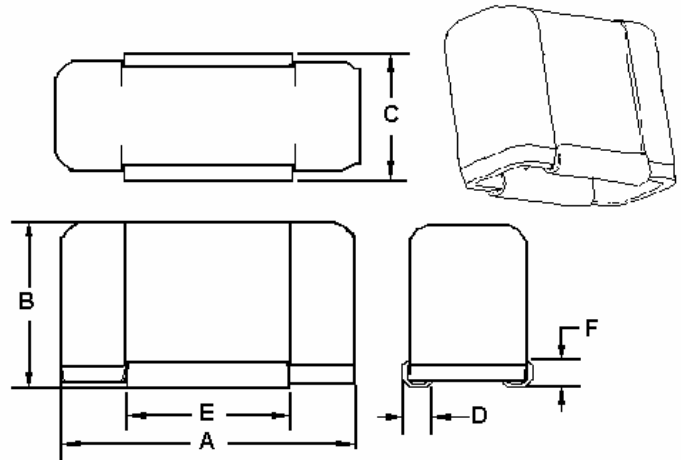


TABLE I. DIMENSIONS:

	A		B		C		D		E		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	18.3	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 (A)	TRIP CURRENT (A)	RESISTANCE (Ω)			TIME TO TRIP(Sec) @ 3A		OPERATING TEMPERATURE (°C)		TRIPPED POWER DISSIPATION (W) TYP @ 60V _{DC}
		R MIN	R Typ	R ₁ MAX*	TYP	MAX	MIN	MAX	
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:

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

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

UL (file #E74889), CSA (file #78165)
Raychem PS300, GR1089 specifications, UL60950
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

