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:

Manufacturer's Mark

XX

T40 —— Part Identification
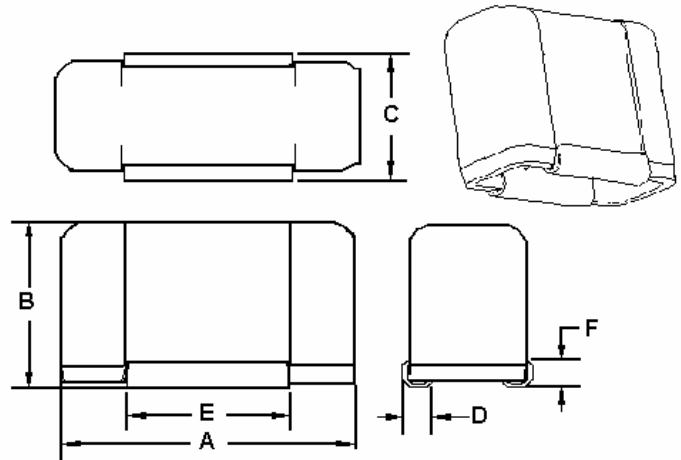
☐☐☐☐ —— Lot Identification

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: UL (file #E74889), CSA (file #78165)
Reference Documents: Raychem 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

(Pb)