

## Specification Status: Released

**Maximum Operating Voltage:** 60 V<sub>DC</sub>

**Fault Ratings at 20°C:**

250V<sub>AC</sub>, 3A, 10 applications  
600V<sub>AC</sub>, 60A, 1 application

**Additional Info at 20°C:**

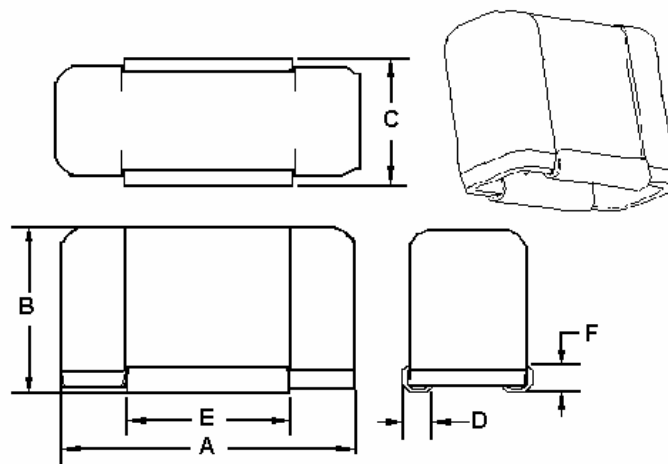
- Resistance matched: N/A
- Lightning withstand: GR1089 Levels 1 & 2
- Helps equipment meet UL60950 (UL1459) and GR1089

**Terminal Material:** Tin-Plated Brass

**Case Material:** 1000V Dielectric Rating

**Marking:**

 Manufacturer's Mark  
 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<br>CURRENT<br>(A) | TRIP<br>CURRENT<br>(A) | RESISTANCE (Ω) |       |                     | TIME TO TRIP(Sec)<br>@ 3A |      | OPERATING<br>TEMPERATURE (°C) |     | TRIPPED<br>POWER DISSIPATION<br>(W)<br>TYP @ 60V <sub>DC</sub> |
|------------------------|------------------------|----------------|-------|---------------------|---------------------------|------|-------------------------------|-----|----------------------------------------------------------------|
|                        |                        | R MIN          | R Typ | R <sub>1</sub> 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)  
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



**PolySwitch®**  
**PTC Devices**  
**Overcurrent Protection Device**

**PRODUCT: TS600-400F**

DOCUMENT: SCD26381  
REV LETTER: H  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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