

## Specification Status: Released

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

**Fault Ratings at 20°C:**

250 V<sub>RMS</sub>, 3A, 10 applications

600 V<sub>RMS</sub>, 1A, 5 applications

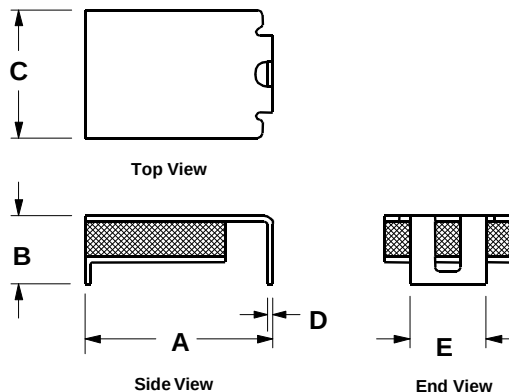
**Additional Info at 20°C:**

- Resistance matched: N/A
- Lightning withstand: 1.5kV per ITU-T
- Helps equipment meet ITU-T K.20, K.21 Recommendations
- Helps equipment meet Telcordia GR1089 intrabuilding requirements

**Terminal Material:** Tin-Plated Brass

**Marking:**

— Manufacturer's Mark  
X T13 — Part Identification  
□ □ □ □ — Lot Identification



**TABLE I. DIMENSIONS:**

|      | A       |         | B   |         | C   |         | D       | E       |
|------|---------|---------|-----|---------|-----|---------|---------|---------|
|      | MIN     | MAX     | MIN | MAX     | MIN | MAX     | NOM     | NOM     |
| mm:  | 8.5     | 9.4     | --  | 3.4     | --  | 7.4     | 0.3     | 3.8     |
| in.* | (0.335) | (0.370) | --  | (0.135) | --  | (0.290) | (0.011) | (0.150) |

\*Rounded off approximation

**TABLE II. PERFORMANCE RATINGS @ 20°C:**

| HOLD CURRENT (A) | TRIP CURRENT (A) | RESISTANCE (Ω) |       |                      | TIME TO TRIP(Sec) @ 1A |     | OPERATING TEMPERATURE (°C) |     | TRIPPED POWER DISSIPATION (W)<br>TYP @ 60V <sub>DC</sub> |
|------------------|------------------|----------------|-------|----------------------|------------------------|-----|----------------------------|-----|----------------------------------------------------------|
|                  |                  | R MIN          | R MAX | R <sub>1 MAX</sub> * | TYP                    | MAX | MIN                        | MAX |                                                          |
| 0.130            | 0.260            | 6.5            | 9.0   | 15.0                 | 1.4                    | 2.5 | -40                        | 85  | 1.1                                                      |

\*Maximum device resistance at 20°C measured 1 hour post trip and 24 hours post reflow

**TABLE III. APPLICABLE PART DESCRIPTIONS:**

| PART DESCRIPTION | PACKAGING TYPE | NOTE |
|------------------|----------------|------|
| TS250-130F-RA-2  | Tape and Reel  | N/A  |

Agency Recognitions:

Reference Documents:

Precedence:

Effectivity:

Caution:

UL (File #E74889), CSA (File #78165C), TUV

PS300, ITU-T K.20, K.21

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**

Directive 2002/95/EC  
Compliant

**ELV Compliant**

Directive 2000/53/EC  
Compliant

**Pb-Free**



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

**PRODUCT: TS250-130F-RA**

DOCUMENT: SCD26245  
REV LETTER: F  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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