

## Specification Status: Released

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

**Fault Ratings at 20°C:**

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

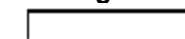
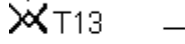

600 V<sub>RMS</sub>, 1A, 5 applications

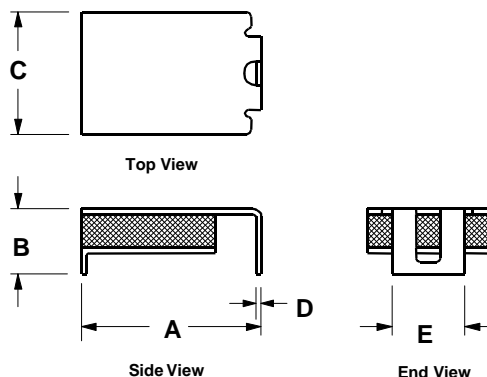
**Additional Info at 20°C:**

- 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  
 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</sub> MAX* | TYP                    | MAX | MIN                        | MAX |  |
| 0.130            | 0.260            | 9.0            | 12.0  | 20.0                | 0.7                    | 1.5 | -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-RB-2  | Tape and Reel  | N/A  |

Agency Recognitions: UL (File #E74889), CSA (File #78165C), TUV

Reference Documents: PS300, ITU-T K.20, K.21

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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