

Specification Status: Released

Maximum Operating Voltage: 60V_{DC}

Fault Ratings at 20°C:

- 250 V_{RMS}, 3A, 10 applications
- 600 V_{RMS}, 1A, 5 applications

Additional Info at 20°C:

- Resistance matched: 0.5 ohm
- Lightning withstand: 1.5kV per ITU-T Recommendations
- Helps equipment meet ITU-T K.20, K.21 Requirements
- Helps equipment meet Telcordia GR1089 intrabuilding requirements

Terminal Material: Tin-Plated Brass

Marking:

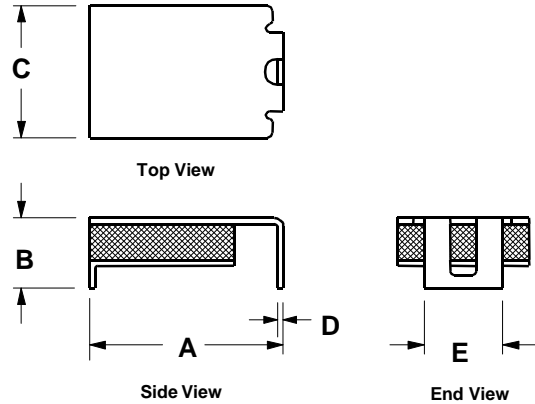
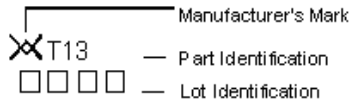


TABLE I. DIMENSIONS:

| | 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) TYP @ 60V _{DC} |
|------------------|------------------|----------------|-------|---------------------|------------------------|-----|----------------------------|-----|---|
| | | R MIN | R MAX | R ₁ MAX* | TYP | MAX | MIN | MAX | |
| 0.130 | 0.260 | 7.0 | 10.0 | 17.0 | 1.1 | 2.0 | -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-RC-B-0.5-2 | 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

Directive 2002/95/EC Compliant

ELV Compliant

Directive 2000/53/EC Compliant

Pb-Free





Expertise Applied | Answers Delivered

PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: TS250-130F-RC-B-0.5

DOCUMENT: SCD26242
REV LETTER: G
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

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