

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
- Helps equipment meet ITU-T K.20, K.21 Recommendations
- Helps equipment meet Telcordia GR1089 intrabuilding requirements

Terminal Material: Tin-Plated Brass

Marking:

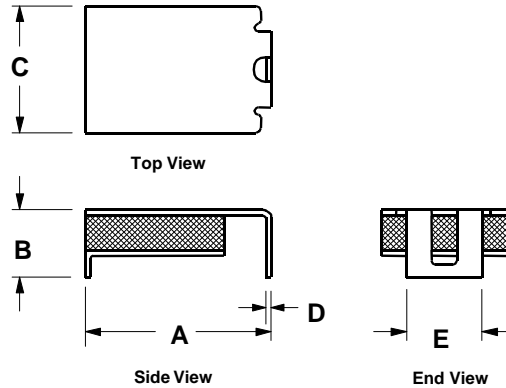
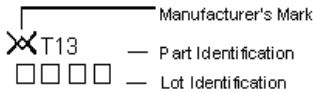


TABLE I. DIMENSIONS:

| | 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 | 6.5 | 12.0 | 20.0 | 0.9 | 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-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



PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: TS250-130F-B-0.5

DOCUMENT : SCD26239
REV LETTER: G
REV DATE: JULY 26, 2016
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