

Specification Status: Released

Max Electrical Rating at 20°C

Operating Voltage: 60V_{DC}
Fault Voltage: 250V_{RMS}
Interrupt Current: 3A_{RMS}

Lead Material: Tin plated brass

Marking:

XX ——— Manufacturer's Mark

T13V ——— Part Identification

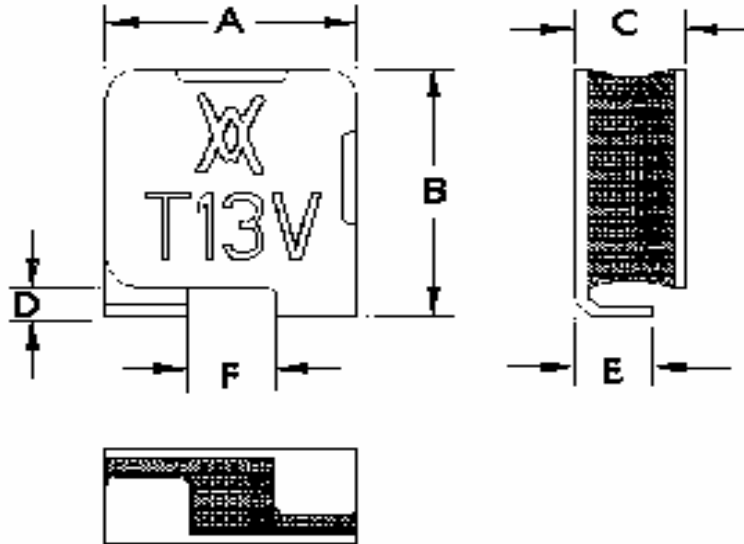


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E | | F | |
|-----|-----|---------|-----|---------|-----|---------|---------|-----|-----|---------|---------|---------|
| | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max |
| mm: | -- | 6.1 | - | 6.9 | -- | 3.2 | 0.56 | -- | -- | 1.9 | 1.6 | 2.3 |
| in: | -- | (0.240) | -- | (0.270) | -- | (0.126) | (0.022) | -- | -- | (0.075) | (0.065) | (0.091) |

TABLE II. PERFORMANCE RATINGS @ 20°C (unless otherwise noted):

| I HOLD (A) | RESISTANCE (Ω) @ 20°C | | | TIME TO TRIP(s) @ 1A TYP | OPERATING TEMPERATURE (°C) | | TRIPPED STATE POWER DISSIPATION (W) TYP |
|------------|--------------------------|-------|----------------------|--------------------------------|-------------------------------|-----|---|
| | R MIN | R MAX | R _{1 MAX} * | | MIN | MAX | |
| 0.130 | 4.0 | 7.0 | 12.0 | 2.0 | -40 | 85 | 1.5 |

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

Additional Ratings @ 20°C

Resistance Matched: 0.5 Ohm
Lightning Withstand: ITU at 1.5kV
Storage Temperature: -40° to 85° C

Agency Recognition: UL, CSA, TUV
Reference Documents: PS300
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



PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: TSV250-130F-B-0.5

DOCUMENT: SCD26244
REV LETTER: C
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

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