

Specification Status: Released

Max Electrical Rating at 20°C

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

Marking:

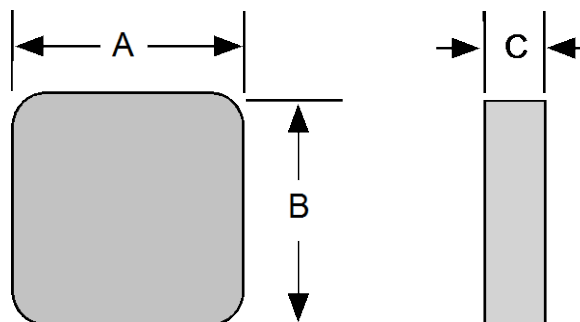
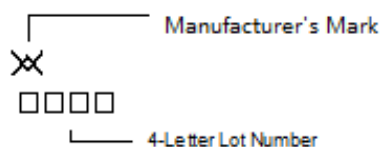


TABLE I. DIMENSIONS:

| | A | | B | | C | |
|-----|---------|---------|---------|---------|---------|---------|
| | MIN | MAX | MIN | MAX | MIN | MAX |
| mm: | 5.4 | 5.6 | 5.4 | 5.6 | 2.0 | 2.3 |
| in: | (0.213) | (0.221) | (0.213) | (0.221) | (0.079) | (0.091) |

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

| IHOLD (A)** | | RESISTANCE (Ω) | | | TIME TO TRIP (s) @ 1A | | OPERATING TEMPERATURE (°C) | |
|-------------|-------|----------------|-------|----------------------|--------------------------|-----|----------------------------|-----|
| 20°C | 40°C | R MIN | R MAX | R _{1 MAX} * | TYP | MAX | MIN | MAX |
| -- | 0.110 | 7.9 | 12.0 | 18.0 | 0.6 | 1.0 | -40 | 85 |

* Maximum device resistance at 20°C measured 1 hour post trip.

** Dependent on Heat Sinking of Mounting Fixture.

Additional Ratings @ 20°C

Resistance Matched 0.5 Ohm

Lightning Withstand ITU AT 1.5kV

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: TCF250-120T-RB-B-0.5

DOCUMENT: SCD25316
REV LETTER: E
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

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