

Tyco / Electronics
Raychem Circuit Protection
 308 Constitution Drive
 Menlo Park, CA 94025-1164
 Phone: 800-227-4856
 Fax: 800-227-4866

PolySwitch®
PTC Devices
 Overcurrent Protection Device

PRODUCT: TRF250-120T-R1-B-0.5-0.125

DOCUMENT: 26379
 PCN: RF0246-000
 REV LETTER: A
 REV DATE: SEPTEMBER 16, 2005
 PAGE NO.: 1 OF 1

Specification Status: Released

Max Electrical Rating at 20°C

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

Lead Material :
 22 AWG Sn plated copper

Marking:

- _____ Raychem Logo
- XX 20 _____ Part Identification
- _____ Lot Identification

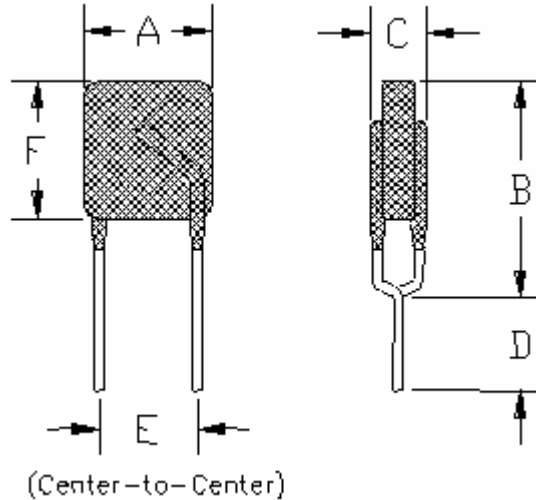


TABLE I. DIMENSIONS:

| A | | B | | C | | D | | | E | F | | |
|-----|-----|---------|-----|---------|-----|---------|---------|---------|---------|---------|-----|---------|
| MIN | MAX | MIN | MAX | MIN | MAX | MIN | NOM | MAX | NOM | MIN | MAX | |
| mm: | -- | 6.5 | -- | 11.0 | -- | 4.6 | 2.55 | 3.2 | 3.85 | 5.0 | -- | 7.0 |
| in: | -- | (0.256) | -- | (0.433) | -- | (0.180) | (0.100) | (0.125) | (0.152) | (0.197) | -- | (0.276) |

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

| I _{HOLD} (A) | RESISTANCE (Ω) | | | TIME TO TRIP (s) @ 1A TYP | OPERATING TEMPERATURE (°C) | |
|-----------------------|----------------|-------|----------------------|---------------------------------|----------------------------|-----|
| | R MIN | R MAX | R _{1 MAX} * | | MIN | MAX |
| 20°C | 6.0 | 9.0 | 16 | 1.0 | -40 | 85 |

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

Additional Ratings @ 20°C

Resistance Matched 0.5 Ohm
 Lightning Withstand ITU AT 1.5kV

Agency Recognition: UL, CSA, TUV pending
 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.

ROHS Compliant

ELV Compliant

Pb-Free

Directive 2002/95/EC
 Compliant

Directive 2000/53/EC
 Compliant

