

Specification Status: Released

Maximum Operating Voltage: 250V_{DC}

Fault Ratings at 20°C:

- 250V_{RMS}, 3A, 10 applications
- 600V_{RMS}, 60A, 1 application

Additional Info at 20°C:

- Resistance matched: N/A
- Lightning withstand: GR-10891.0 kV, 10/1000µs, with 20-ohm load
- Helps equipment comply to Telcordia GR-1089

Lead Material:

22 AWG Sn-Plated Copper (0.64 mm [0.025"] nominal diameter)

External Coating Material:

Cured, flame retardant epoxy polymer, meeting UL94 V-0 requirements

Marking:

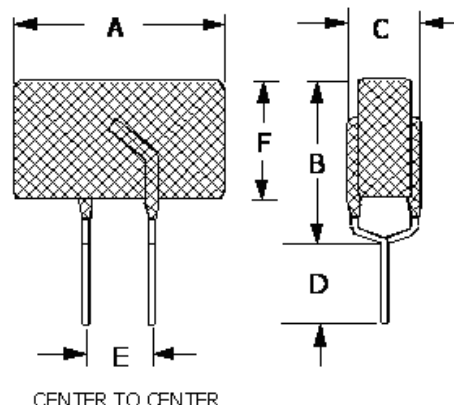
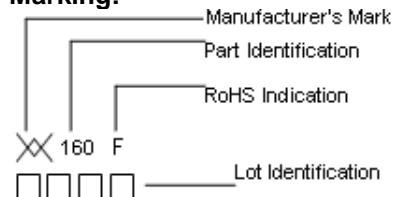


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E | F |
|------|-----|--------|-----|--------|-----|--------|--------|-----|--------|--------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | NOM | MAX |
| mm: | -- | 16.0 | -- | 12.6 | -- | 6.0 | 4.7 | -- | 5.0 | 10.0 |
| in*: | -- | (0.63) | -- | (0.50) | -- | (0.24) | (0.19) | -- | (0.20) | (0.39) |

* Rounded off approximation

TABLE II. PERFORMANCE RATINGS @ 20°C (as measured in Loranger P/N 02901-032-6218A):

| HOLD CURRENT (A) | TRIP CURRENT (A) | RESISTANCE (Ω) | | | TIME TO TRIP(Sec) @ 1A | | OPERATING TEMPERATURE (°C) | | TRIPPED POWER DISSIPATION (W) @ 250V _{DC} | |
|------------------|------------------|----------------|-------|---------------------|------------------------|------|----------------------------|-----|--|-----|
| | | R MIN | R MAX | R ₁ MAX* | TYP | MAX | MIN | MAX | TYP | MAX |
| 0.160 | 0.320 | 4.0 | 7.0 | 16.0 | 9.5 | 18.0 | -40 | 85 | 1.7 | 2.2 |

*Post Trip Resistance measured after one hour.

TABLE III. APPLICABLE PART DESCRIPTIONS :

| PART DESCRIPTION | PACKAGING TYPE | NOTE |
|------------------|----------------|------|
| TRF600-160-RA | Bulk | N/A |

Agency Recognitions:
Reference Documents:
Precedence:
Effectivity:
CAUTION:

UL (File #E74889), CSA (File #1026908), TUV
Littelfuse PS300, Telcordia GR-1089
This specification takes precedence over documents referenced herein.
Reference documents shall be the issue in effect on the date of invitation for bid.
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





Expertise Applied | Answers Delivered

PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: TRF600-160-RA

DOCUMENT: SCD26357
REV LETTER: E
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

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