

**Specification Status: Released**

**Maximum Operating Voltage:** 250V<sub>DC</sub>

**Fault Ratings at 20°C:**

- 250V<sub>RMS</sub>, 3A, 10 applications
- 600V<sub>RMS</sub>, 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

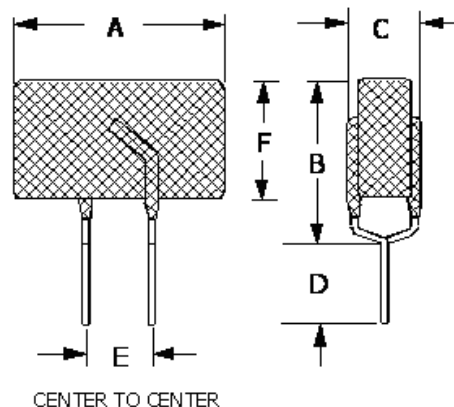
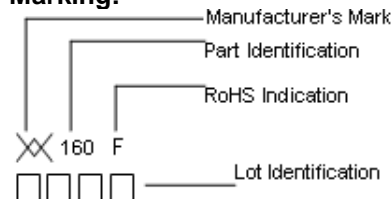
**Lead Material:**

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 <sub>DC</sub> |     |
|------------------|------------------|----------------|-------|---------------------|------------------------|------|----------------------------|-----|--|-----|
|                  |                  | R MIN          | R MAX | R <sub>1</sub> 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**

Directive 2002/95/EC  
Compliant

**ELV Compliant**

Directive 2000/53/EC  
Compliant

**Pb-Free**





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**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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