

**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:**

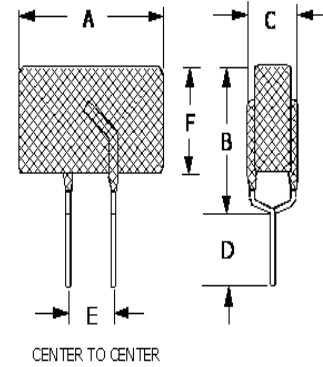
- Resistance matched: 0.5 Ohm
- Lightning withstand: GR-10891.0 kV, 10/1000µs, with 20 ohm load
- Helps equipment comply to Telcordia GR-1089

**Lead Material:**

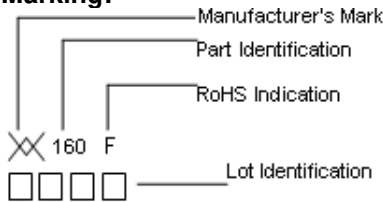
22 AWG Sn-Plated Copper (0.64 mm [0.025"] nominal diameter)

**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 MAX</sub> *	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-B-0.5	Bulk	N/A
TRF600-160-RA-B-0.5-2	Tape and Reel	Dim "D" not applicable

Agency Recognitions: UL (File #E74889), CSA (File #1026908), TUV  
 Reference Documents: PS300, Telcordia GR-1089  
 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





Expertise Applied | Answers Delivered

**PolySwitch®**  
**PTC Devices**  
**Overcurrent Protection Device**

**PRODUCT: TRF600-160-RA-B-0.5**

DOCUMENT: SCD26269  
REV LETTER: E  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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