

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: TRF600-160-RA

DOCUMENT: SCD26357 REV LETTER: E **REV DATE: JULY 26, 2016**

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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:

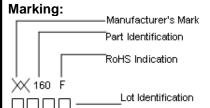
- Resistance matched: N/A
- Lightning withstand: GR-10891.0 kV, 10/1000µs, with 20-ohm load
- Helps equipment comply to Telcordia GR-1089

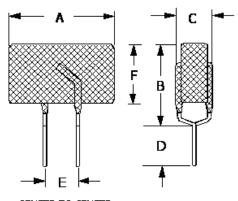
Lead Material:

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





CENTER TO CENTER

TABLE I. DIMENSIONS:

	Α		В		С		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	TRIP	RESISTANCE (Ω)			TIME TO	TRIP(Sec)	OPERATING TEMPERATURE		TRIPPED POWER DISSIPATION	
CURRENT	CURRENT			@	1A					
(A)	(A)						(°C)		(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:

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

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

This specification takes precedence over documents referenced herein. Precedence:

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 Directive 2000/53/EC **Pb-Free**



Directive 2002/95/EC Compliant

Compliant



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