

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: TRF600-160-RA-B-0.5

DOCUMENT: SCD26269
REV LETTER: E
REV DATE: MAY 11, 2011
PAGE NO.: 1 OF 1

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:

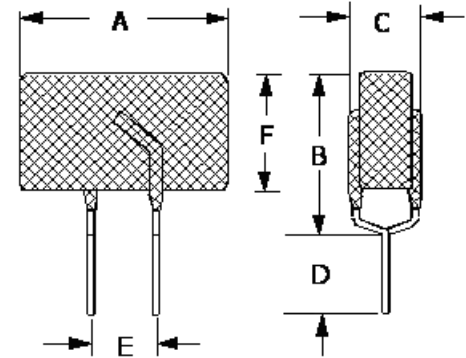
- Resistance matched: 0.5 Ohm
- Lightning withstand: GR-10891.0 kV, 10/1000µs, with 20 ohm load
- Helps equipment comply to Telcordia GR-1089

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



CENTER TO CENTER

Marking:

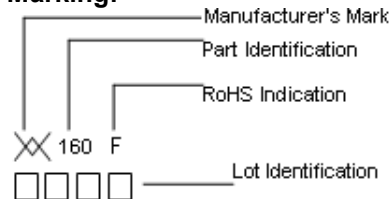


TABLE I. DIMENSIONS:

	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-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:

Raychem 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

