

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: TRF600-150-RB-B-0.5

DOCUMENT: SCD26036
REV LETTER: G
REV DATE: MAY 11, 2011
PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Operating Voltage: 250V_{DC}

Fault Ratings at 20°C:

250V_{AC}, 3A, 10 applications

600V_{AC}, 40A, 1 application

Additional Info at 20°C:

- Resistance matched: 0.5 Ohm
- Lightning withstand: TIA-968-A
- Helps equipment meet UL60950 (UL1459)

Lead Material:

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

Marking:

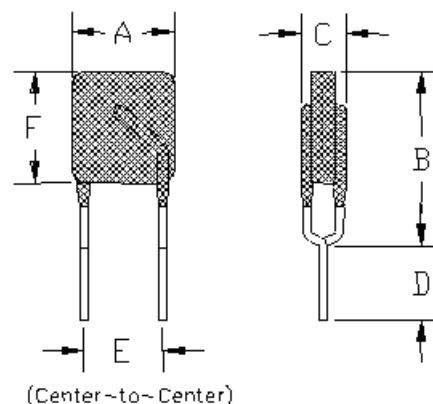
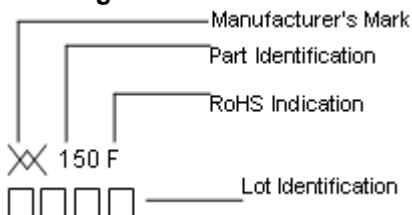


TABLE I. DIMENSIONS:

	A		B		C		D		E	F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	NOM	MIN	MAX
mm:	--	9.0	--	12.5	--	4.6	4.7	--	5.0	--	9.0
in.*	--	(0.35)	--	(0.49)	--	(0.18)	(0.19)	--	(0.20)	--	(0.35)

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS @ 20°C (as measured in Loranger sockets 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
0.150	0.300	9.0	12.0	22.0	1.0	3.0	-40	85	1.4	1.8

*Maximum device resistance at 20°C measured 1 hour post trip.

TABLE III. APPLICABLE PART DESCRIPTIONS:

PART DESCRIPTION	PACKAGING TYPE	NOTES
TRF600-150-RB-B-0.5	Bulk	N/A

Agency Recognitions:

Reference Documents:

Precedence:

Effectivity:

CAUTION:

UL (File # E74889), CSA (File #CA-78165-7), TUV

Raychem PS300, PS500, UL60950, TIA-968A, GR1089

This specification takes precedence over documents referenced herein.1.9

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

