

## PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: TRF600-150-B-0.5

DOCUMENT : SCD25731 REV LETTER: H

REV DATE: JULY 26,2016

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### **Specification Status: Released**

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

Fault Ratings at 20°C:

250V<sub>AC</sub>, 3A, 10 applications 600V<sub>AC</sub>, 40A, 1 application

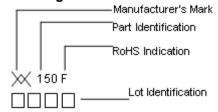
#### Additional Info at 20°C:

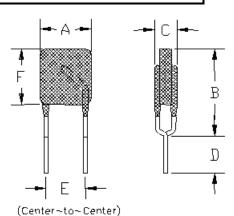
- Resistance matched: 0.5 Ohm
- Lightning withstand: TIA-968-A
- Helps equipment meet UL60950 (UL1459)

#### Lead Material:

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

#### Marking:





#### **TABLE I. DIMENSIONS:**

	Α		В		С		D		Е	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)

<sup>\*</sup>Rounded off approximation

#### TABLE II. PERFORMANCE RATINGS @ 20°C (as measured in Loranger sockets P/N 02901-032-6218A):

HOLD TRIP CURRENT CURRENT		RESISTANCE (Ω)				TRIP(Sec) 1A	OPERATING TEMPERATURE		TRIPPED POWER DISSIPATION		
	(A)	(A)	R MIN	R MAX	R <sub>1 MAX</sub> *			(°C)		(W) @ 250V <sub>DC</sub> TYP MAX	
			IZ IAIIIA	IV INITAX	IN1 MAX	111	IVIAA	IAIIIA	IVIAA	111	INITAL
	0.150	0.300	6.0	10.0	17.0	1.4	4.0	-40	85	1.4	1.8

<sup>\*</sup>Maximum device resistance at 20°C measured 1-hour post trip.

#### **TABLE III. APPLICABLE PART DESCRIPTIONS:**

PART DESCRIPTION	PACKAGING TYPE	NOTES
TRF600-150-B-0.5	Bulk	N/A
TRF600-150-B-0.5-2	Tape and Reel	Dim D not applicable

Agency Recognitions: UL (File # E74889), CSA (File #CA-78165-7), TUV Reference Documents : PS300, PS500, UL60950, TIA-968A, GR1089

Precedence: This specification takes precedence over documents referenced herein.1.9
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



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Specifications are subject to change without notice.

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