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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: TRF600-150-RB-B-0.5

DOCUMENT: SCD26036
REV LETTER: G
REV DATE: JULY 26, 2016

Specification Status: Released

Maximum Operating Voltage: $250V_{DC}$

Fault Ratings at 20°C:

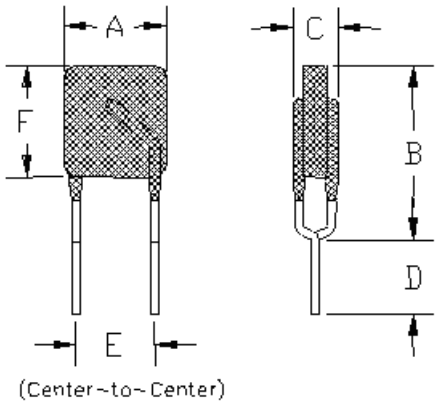
$250V_{AC}$, 3A, 10 applications
$600V_{AC}$, 40A, 1 application

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:

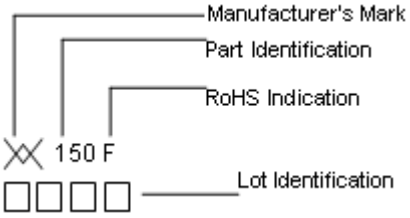


TABLE I. DIMENSIONS:

	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: 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
Directive 2002/95/EC Compliant

ELV Compliant
Directive 2000/53/EC Compliant

Pb-Free

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Specifications are subject to change without notice.
Revised July 26, 2016

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RF2562-000 0242.080UAT1 8.0SMDJ16CA MDSR-4-22-38 P3100SBLRP SL1011A230A TPSMD33CA 03420828H 03540601ZXGY 37014000430 NANOSMDC200F-2 0233006.MXP 1812L260/12MR RF1342-000 RF2682-000 RF3304-000 SM12-02HTG V150LA20AP 1812L150/24MR TP5.0SMDJ43CA 0327020.LXS 2920L600/12MR 60R250XF RF3305-000 DNA30E2200PA IXTP52P10P PAA140S 0481010.HXLP 1.5SMC51CA RF1543-000