PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: TR600-150F-EX

DOCUMENT: SCD26608
REV LETTER: G
REV DATE: JULY 26,2016
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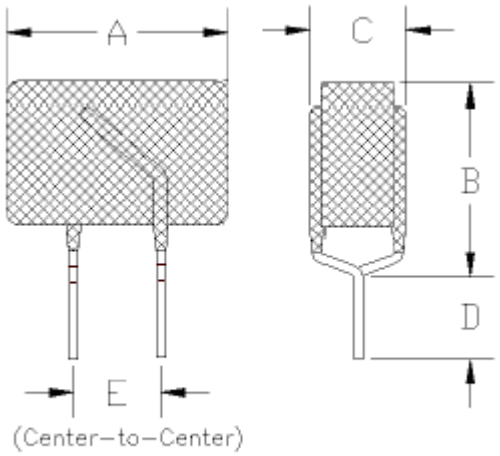
Specification Status: Released & Restricted

Maximum Operating Voltage: 60V_{DC}

Fault Ratings at 20°C:
250V_{RMS}, 3A, 10 applications
600V_{RMS}, 40A, 1 application

Additional Info at 20°C:
- Resistance matched: N/A
- Lightning withstand: TIA968 1.5 kV, 10/560µs
- Helps equipment meet UL60950 (UL1459)



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.

Marking:

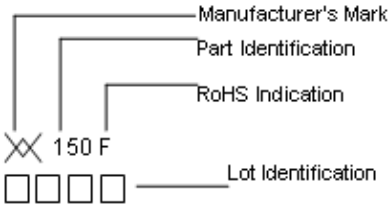


TABLE I. DIMENSIONS:

	A		B		C		D		E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	NOM
mm:	--	13.5	--	12.6	--	6.0	4.7	--	5.0
in:*	--	(0.53)	--	(0.50)	--	(0.24)	(0.19)	--	(0.20)

* 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) @60 V_{DC}	
		R MIN	R MAX	$R_{1\ MAX}$*	TYP	MAX	MIN	MAX	TYP	MAX
0.150	0.300	6.0	12.0	22.0	5.0	8.0	-40	85	1.4	1.7

*Post Trip Resistance measured after one hour.

TABLE III. APPLICABLE PART DESCRIPTIONS:

PART DESCRIPTION	PACKAGING TYPE	NOTES
TR600-150F-EX	Bulk	N/A
TR600-150F-EX-2	Tape and Reel	Dim D not applicable

Agency Recognitions: UL (File #E74889) CSA (File #78165)
Reference Documents: PS300, UL60950 (UL1459)
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 — Directive 2002/95/EC Compliant

ELV Compliant — Directive 2000/53/EC Compliant

Pb-Free