PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: TR600-150F-EX

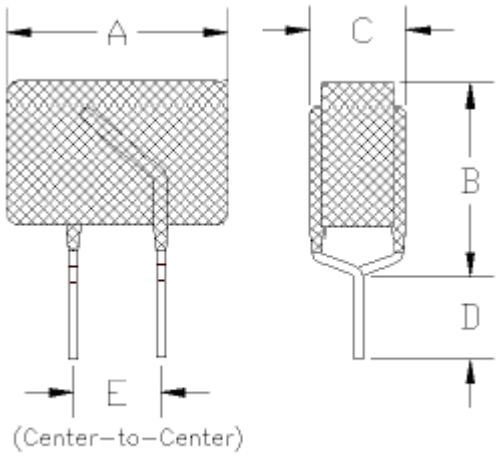
DOCUMENT: SCD26608
REV LETTER: G
REV DATE: JULY 26,2016
PAGE NO.: 1 OF 2

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:

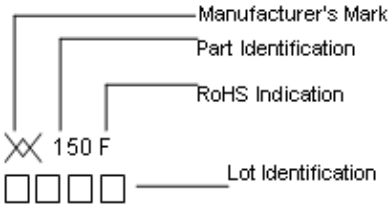


TABLE I. DIMENSIONS:

	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

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

Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and shall not be used for, any purpose (including, without limitation, military, aerospace, medical, lifesaving, life-sustaining or nuclear facility applications, devices intended for surgical implant into the body, or any other application in which the failure or lack of desired operation of the product may result in personal injury, death, or property damage) other than those expressly set forth in applicable Littelfuse product documentation. Warranties granted by Littelfuse shall be deemed void for products used for any purpose not expressly set forth in applicable Littelfuse documentation. Littelfuse shall not be liable for any claims or damages arising out of products used in applications not expressly intended by Littelfuse as set forth in applicable Littelfuse documentation. The sale and use of Littelfuse products is subject to Littelfuse Terms and Conditions of Sale, unless otherwise agreed by Littelfuse.