

Specification Status: Released

Operating Conditions at 20°C:

Maximum Continuous Operating Voltage (V_{MCO}): 60V_{DC}
Maximum Interrupt Current (I_{INT}): 3A_{RMS}

Fault Ratings at 20°C:

250V_{RMS}, 3A, 10 applications

Additional Info at 20°C:

- Resistance matched: n/a
- Lightning withstand: 1.0 kV per ITU-T K.20, K.21
- Helps equipment meet ITU-T K.20, K.21 Recommendations
- Helps equipment meet Telcordia GR1089 intrabuilding requirements

Lead Material:

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

External Coating Material:

None

Marking:

None

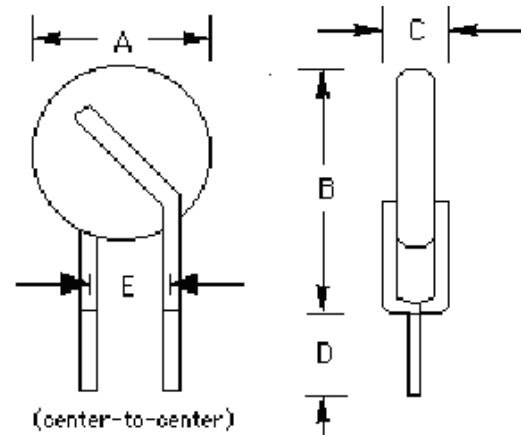


TABLE I. DIMENSIONS:

	A		B		C		D		E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	NOM
mm:	--	5.3	--	9.4	--	3.8	4.7	--	5.0
in*:	--	(0.21)	--	(0.37)	--	(0.15)	(0.19)	--	(0.20)

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS @ 20°C:

HOLD CURRENT (A)	TRIP CURRENT (A)	RESISTANCE (Ω)			TIME TO TRIP(Sec) @ 1A		OPERATING TEMPERATURE (°C)		TRIPPED POWER DISSIPATION (W) @ 60V _{DC}	
		R MIN	R MAX	R ₁ MAX*	TYP	MAX	MIN	MAX	TYP	MAX
0.110	0.220	5.0	9.0	16.0	0.75	1.2	-40	85	0.6	0.7

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

TABLE III. APPLICABLE PART DESCRIPTIONS :

PART DESCRIPTION	PACKAGING TYPE	NOTES
TRF250-110U	Bulk	N/A

Agency Recognitions: UL File #E74889, CSA File #78165C, TUV
 Reference Documents : Littelfuse PS300, ITU-T K.20/K.21
 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

ELV Compliant

Pb-Free

Directive 2002/95/EC Compliant

Directive 2000/53/EC Compliant



PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT : TRF250-110U

DOCUMENT : SCD26316
REV LETTER: G
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

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