

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: TRF250-055UT

DOCUMENT: SCD27500

REV LETTER: E

REV DATE: JULY 26, 2016 PAGE NO.: 1 OF 2

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:

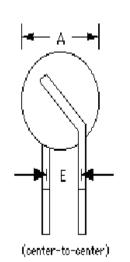
- Resistance matched: n/a
- Lightning withstand: 1.0 kV per ITU-T K.20
- Helps equipment meet ITU-T K.20 Recommendations



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



None



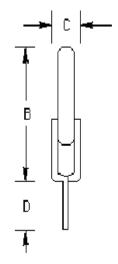


TABLE I. DIMENSIONS:

	Α		В		С		D		E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	NOM
mm:		4.8		9.3		3.8	4.7		5.0
in: *		(0.19)	-	(0.37)		(0.15)	(0.19)		(0.20)

^{*}Rounded off approximation

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

HOLD	TRIP	` '			TIME TO TRIP(Sec)				TRIPPED	
CURRENT ** (A)	** (A)				@ 0.275A**		TEMPERATUR E (°C)		POWER DISSIPATION (W) 60V _{DC**}	
(A)	(A)	R MIN	R MAX	R _{1 MAX} *	TYP	MAX	MIN (MAX	TYP	MAX
0.055	0.17	15.0	25.0	35.0	3.0	5.0	-40	85	0.6	0.7

^{*}Maximum device resistance at 20°C measured after 1-hour post trip

TABLE III. APPLICABLE PART DESCRIPTIONS:

PART DESCRIPTION	PACKAGING TYPE	NOTES
TRF250-055UT	Bulk	N/A

Agency Recognitions: N/A

Reference Documents: PS300, ITU-T K.20

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



^{**} Dependent on heat sinking of mounting fixture



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