

**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 (VMCO): 60VDC Maximum Interrupt Current (IINT): 3ARMS

## Fault Ratings at 20°C:

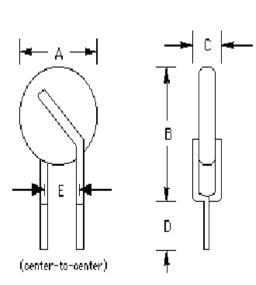
250V<sub>RMS</sub>, 3A, 10 applications

# 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

## Lead Material:

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



#### Marking:

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	RESISTANCE (Ω)			TIME TO	ME TO TRIP(Sec)		ATING	TRIPPED	
CURRENT	CURRENT				@ 0.275A**		TEMPERATUR		POWER DISSIPATION	
** (A)	** (A)					E (°C)		(W) 60V <sub>DC**</sub>		
		R MIN	R MAX	<b>R</b> 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

\*\* Dependent on heat sinking of mounting fixture

## **TABLE III. APPLICABLE PART DESCRIPTIONS :**

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

Agency Recognitions:	
Reference Documents :	
Precedence:	
Effectivity:	
CAUTION:	
flomo	

#### N/A PS300, ITU-T K.20

This specification takes precedence over documents referenced herein. Reference documents shall be the issue in effect on the date of invitation for bid. Operation beyond the rated voltage or current may result in rupture, electrical arcing or

flame.

## Materials Information **ROHS Compliant**

**ELV Compliant** 









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