

**Specification Status: Preliminary**

**Operating Conditions at 20°C:**

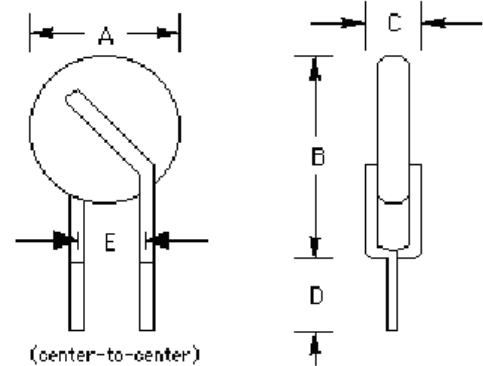
Maximum Continuous Operating Voltage ( $V_{MCO}$ ): 60V<sub>DC</sub>  
Maximum Interrupt Current ( $I_{INT}$ ): 3A<sub>RMS</sub>

**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
- Helps equipment meet Telcordia GR1089 intrabuilding requirements



**Lead Material:**

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

**Marking:**

None

**TABLE I. DIMENSIONS:**

	A		B		C		D		E NOM
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	
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 CURRENT ** (A)	TRIP CURRENT** (A)	RESISTANCE (Ω)			TIME TO TRIP(Sec) @ 0.275A**		OPERATING TEMPERATURE (°C)		TRIPPED POWER DISSIPATION (W) 60V <sub>DC</sub> **	
		R MIN	R MAX	R <sub>1 MAX</sub> *	TYP	MAX	MIN	MAX	TYP	MAX
0.055	0.17	15.0	25.0	35.0	3.0	5.0	-40	85	0.6	0.8

\*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:

N/A

Reference Documents:

Raychem 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

