



**THE DATASHEET OF
TRF250-080U**



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

Lead Material:

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

External Coating Material:

None

Marking:

None

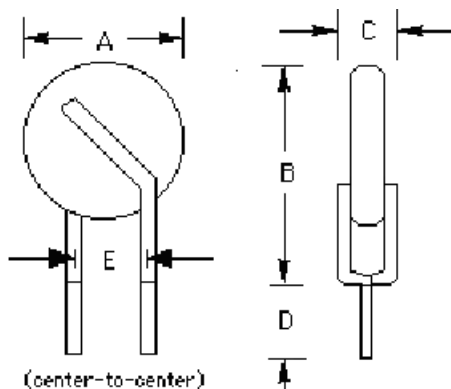


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E |
|------|-----|--------|-----|--------|-----|--------|--------|-----|--------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | NOM |
| mm: | -- | 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:

| HOLD CURRENT (A) | TRIP CURRENT (A) | RESISTANCE (Ω) | | | TIME TO TRIP(Sec) @ 0.35A | | OPERATING TEMPERATURE (°C) | | TRIPPED POWER DISSIPATION (W) @ 60V _{DC} | |
|------------------|------------------|----------------|-------|---------------------|---------------------------|-----|----------------------------|-----|---|-----|
| | | R MIN | R MAX | R ₁ MAX* | TYP | MAX | MIN | MAX | TYP | MAX |
| 0.080 | 0.160 | 14.0 | 20.0 | 33.0 | 2.5 | 4.0 | -40 | 85 | 0.6 | 0.7 |

*Maximum device resistance at 20°C measured 1 hour post trip and 24 hours post reflow

TABLE III. APPLICABLE PART DESCRIPTIONS:

| PART DESCRIPTION | PACKAGING TYPE | NOTES |
|------------------|----------------|-------|
| TRF250-080U | Bulk | N/A |

Agency Recognitions:

UL File #E74889, CSA File #78165C, TUV

Reference Documents:

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



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