

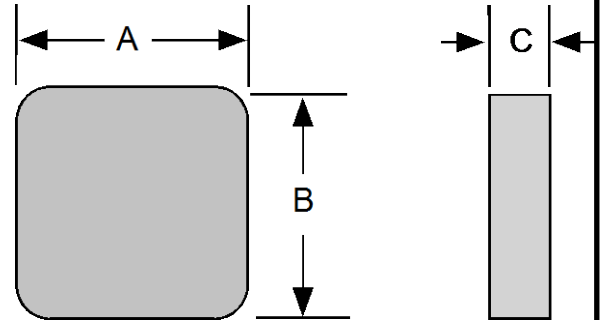
Specification Status: Released

Maximum Operating Voltage: 60V_{DC}

Fault Ratings at 20°C:
250V_{RMS}, 3A, 10 applications

Additional Info at 20°C:

- Resistance matched: 0.5 ohms
- Lightning withstand:
- ITU-T K.20/K.21 - 1.5 kV
- Helps equipment meet ITU-T K.20/K.21 recommendations
- Helps equipment meet Telcordia GR1089 intrabuilding requirements



Marking:



TABLE I. DIMENSIONS:

| | A | | B | | C | |
|------|--------|--------|--------|--------|--------|--------|
| | MIN | MAX | MIN | MAX | MIN | MAX |
| mm: | 5.4 | 5.6 | 5.4 | 5.6 | 2.0 | 2.5 |
| in:* | (0.21) | (0.22) | (0.21) | (0.22) | (0.08) | (0.10) |

*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) TYP @ 60V _{DC} |
|-------------------------|------------------------|----------------|-------|----------------------|---------------------------|-----|-------------------------------|-----|--|
| | | R MIN | R MAX | R ₁ MAX** | TYP* | MAX | MIN | MAX | |
| 0.145 | 0.290 | 5.0 | 9.0 | 14.0 | 1.0 | 2.0 | -40 | 85 | 1.0 |

* Dependent on Heat Sinking of Mounting Fixture

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

TABLE III. APPLICABLE PART DESCRIPTIONS:

| PART DESCRIPTION | PCN # (INTERNAL USE ONLY) | PACKAGING TYPE | NOTES |
|-------------------|---------------------------|----------------|-------|
| TCF250-145T-B-0.5 | RF0065-000 | Bulk | N/A |

Agency Recognitions: UL (File #E74889)
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

Directive 2002/95/EC
Compliant

ELV Compliant

Directive 2000/53/EC
Compliant

Pb-Free



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