

**Specification Status: Released**

**Operating Conditions at 20°C:**

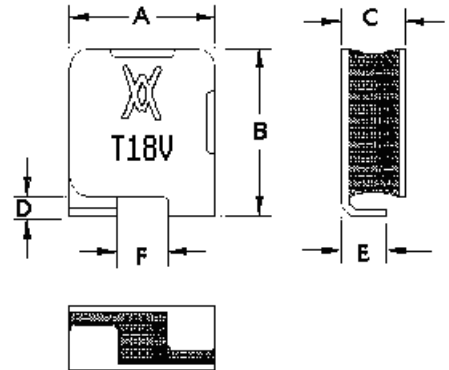
Maximum Continuous Operating Voltage (V<sub>MCO</sub>): 100V<sub>DC</sub>  
Maximum Interrupt Current (I<sub>INT</sub>): 10A<sub>RMS</sub>

**Fault Ratings at 20°C:**

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

**Additional Info at 20°C:**

- Resistance matched: N/A
- Lightning withstand: 1.5kV per ITU-T K.20, K.21 (3.0K V<sub>MAX</sub> w/o primary protection)
- Helps equipment meet ITU-T K.20, K.21 Recommendations
- Helps equipment meet Telcordia GR1089 intrabuilding requirements



**Terminal Material:** Tin-Plated Brass

**Marking:**

XX ——— Manufacturer's Mark

T18V ——— Part Identification

**TABLE I. DIMENSIONS:**

|     | A   |         | B   |         | C   |         | D       |     | E   |         | F       |         |
|-----|-----|---------|-----|---------|-----|---------|---------|-----|-----|---------|---------|---------|
|     | MIN | MAX     | MIN | MAX     | MIN | MAX     | MIN     | MAX | MIN | MAX     | MIN     | MAX     |
| mm: | --  | 6.1     | -   | 6.9     | --  | 3.2     | 0.56    | --  | --  | 1.9     | 1.6     | 2.3     |
| in: | --  | (0.240) | --  | (0.270) | --  | (0.126) | (0.022) | --  | --  | (0.075) | (0.065) | (0.091) |

\*Rounded off approximation

**TABLE II. PERFORMANCE RATINGS @ 20°C:**

| HOLD CURRENT (A) | TRIP CURRENT (A) | RESISTANCE (Ω) |       |                     | TIME TO TRIP(Sec) @ 3A |     | OPERATING TEMPERATURE (°C) |     | TRIPPED POWER DISSIPATION (W) @ 100 V <sub>DC</sub> |     |
|------------------|------------------|----------------|-------|---------------------|------------------------|-----|----------------------------|-----|---|-----|
|                  |                  | R MIN          | R MAX | R <sub>1</sub> MAX* | TYP                    | MAX | MIN                        | MAX | TYP   | MAX |
| 0.184            | 0.69             | 1.2            | 3.0   | 4.0                 | 0.5                    | 1.3 | -30                        | 85  | 0.9   | 1.3 |

\*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 | NOTE |
|------------------|----------------|------|
| TSV250-184F      | 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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