

**Specification Status: Released**

**Maximum Electrical Rating**

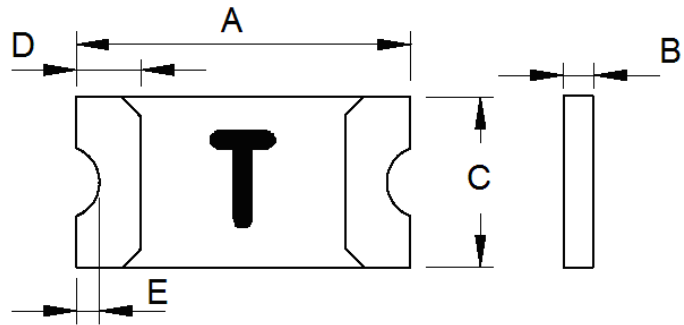
**Voltage: 6.0V<sub>DC</sub>**

**Short Circuit Current: 100A**

**Notes:**

1. All terminations are tin plated.
2. Drawing not to scale

Marking: T



**TABLE I. DIMENSIONS:**

|     | A       |         | B       |         | C       |         | D       |         | E       |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|     | MIN     | MAX     | MIN     | MAX     | MIN     | MAX     | MIN     | MAX     | MIN     |
| mm: | 3.00    | 3.40    | 0.83    | 1.10    | 1.37    | 1.80    | 0.25    | 0.75    | 0.076   |
| in: | (0.118) | (0.134) | (0.033) | (0.043) | (0.054) | (0.071) | (0.010) | (0.030) | (0.003) |

**TABLE II. PERFORMANCE RATINGS:**

| CURRENT RATINGS** |      |                 |      |                 |      | TIME TO TRIP**            | RESISTANCE VALUES | TRIPPED-STATE POWER DISSIPATION** |                         |
|-------------------|------|-----------------|------|-----------------|------|---------------------------|-------------------|-----------------------------------|-------------------------|
| AMPERES AT 0°C    |      | AMPERES AT 25°C |      | AMPERES AT 60°C |      | SECONDS AT 25°C, 8.0A MAX | OHMS AT 25°C      |                                   | WATTS AT 25°C, 6.0V MAX |
| HOLD              | TRIP | HOLD            | TRIP | HOLD            | TRIP |                           | MIN               | MAX*                              |                         |
| 2.35              | 4.7  | 2.0             | 4.0  | 1.5             | 3.0  | 1.5                       | 0.020             | 0.072                             | 1.0                     |

\*Maximum resistance is measured 1 hour after reflow.

\*\* Values specified were determined using PCB's with 0.040"X2.0 ounce copper traces.

Agency Recognition: UL, CSA, TÜV  
Reference Document: PS300  
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**



**Halogen Free\***



\* Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm.



**PolySwitch®**  
**PTC Devices**  
**Overcurrent Protection Device**

**PRODUCT: nanoSMDC200F**

DOCUMENT: SCD27773  
REV LETTER: B  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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