

## Specification Status: Released

### Maximum Electrical Rating

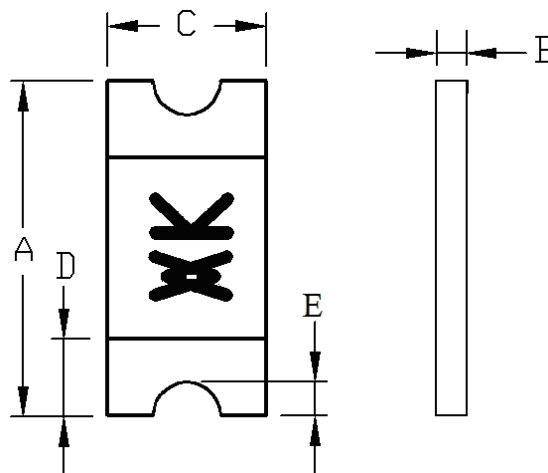
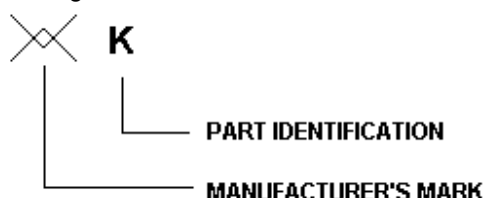
Voltage: 6.0V<sub>DC</sub>

Short Circuit Current: 100A

#### Notes:

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

#### Marking:



**TABLE I. DIMENSIONS:**

|     | A       |         | B       |         | C       |         | D       |         | E       |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|     | MIN     | MAX     | MIN     | MAX     | MIN     | MAX     | MIN     | MAX     | MIN     |
| mm: | 3.00    | 3.4     | 0.28    | 0.67    | 1.37    | 1.80    | 0.25    | 0.75    | 0.076   |
| in: | (0.118) | (0.134) | (0.011) | (0.026) | (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 20°C |      | AMPERES AT 60°C |      | SECONDS AT 20°C, 8.0A MAX | OHMS AT 20°C      |      | WATTS AT 20°C, 6.0V MAX           |
| HOLD              | TRIP | HOLD            | TRIP | HOLD            | TRIP |                           | MIN               | MAX* |                                   |
| 1.3               | 2.6  | 1.10            | 2.20 | 0.8             | 1.6  | 0.1                       | 0.07              | 0.20 | 0.8                               |

\*Maximum resistance is measured 1 hour after reflow.

\*\* Values specified were determined using PCB's with 0.030"X1.5 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: nanoSMDC110F**

DOCUMENT: SCD26732  
REV LETTER: G  
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PAGE NO.: 2 OF 2

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