

## Specification Status: Released

### Maximum Electrical Rating

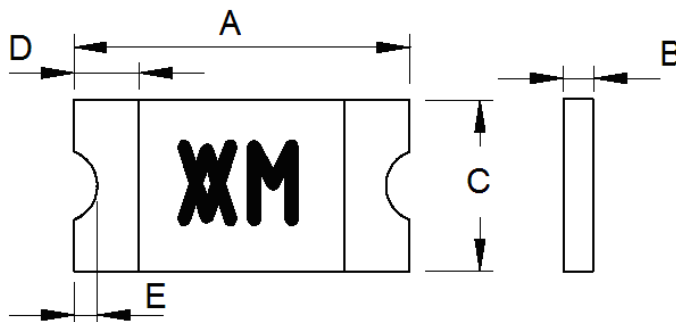
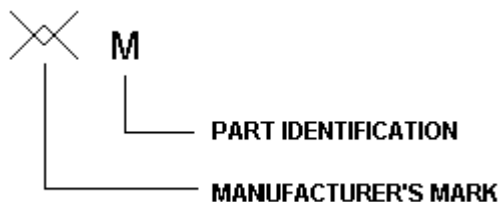
**Voltage: 13.2V<sub>DC</sub>**

**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    | 3.40    | 0.50    | 0.74    | 1.37    | 1.80    | 0.25    | 0.75    | 0.076   |
| in: | (0.118) | (0.134) | (0.019) | (0.029) | (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, 13.2V MAX          |
| HOLD              | TRIP | HOLD            | TRIP | HOLD            | TRIP |                           | MIN               | MAX* |                                   |
| 0.61              | 1.24 | 0.50            | 1.10 | 0.35            | 0.75 | 0.1                       | 0.20              | 0.75 | 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 Recognitions: UL, CSA, TÜV

Reference Documents: 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 flam

### Materials Information

**ROHS Compliant**

Directive 2000/53/EC  
Compliant

**ELV Compliant**

Directive 2002/95/EC  
Compliant

**Pb-Free**



**Halogen Free\***



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



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**Overcurrent Protection Device**

**PRODUCT: nanoSMDC050F/13.2**

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PAGE NO.: 2 OF 2

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