

**Specification Status: Released**

**Maximum Electrical Rating**

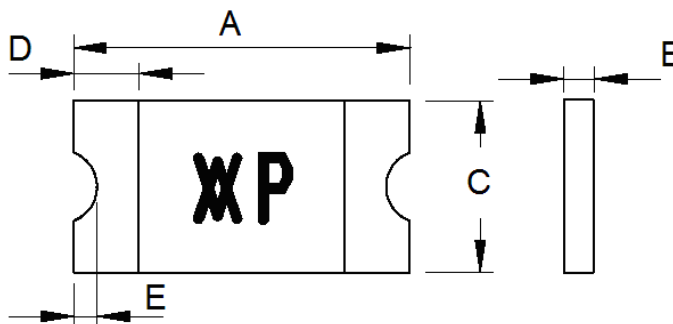
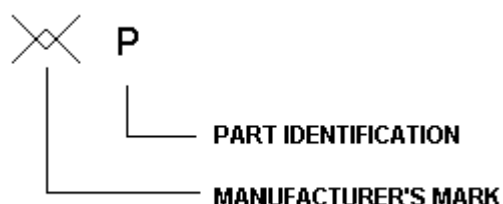
**Voltage: 48V<sub>DC</sub>**

**Short Circuit Current: 10A**

**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    | 0.62    | 1.00    | 1.37    | 1.80    | 0.25    | 0.75    | 0.076   |
| in: | (0.118) | (0.134) | (0.024) | (0.039) | (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, 1.0A MAX | OHMS AT 25°C      |      | WATTS AT 25°C, 48V                |
| HOLD              | TRIP | HOLD            | TRIP | HOLD            | TRIP |                           | MIN               | MAX* | MAX                               |
| 0.15              | 0.60 | 0.12            | 0.39 | 0.09            | 0.27 | 0.2                       | 1.4               | 6.5  | 0.5                               |

\* Resistance is measured 1 hour after reflow.

\*\* Values specified were determined using PCB's with 0.030"X1.5 ounce copper traces.

Reference Documents: PS300, PS400

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**

**ELV Compliant**

**Pb-Free**

**Halogen Free\***

Directive 2002/95/EC Compliant

Directive 2000/53/EC Compliant



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



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**PRODUCT: nanoASMDC012F**

DOCUMENT: SCD27838  
REV LETTER: B  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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