

## Specification Status: Released

### Maximum Electrical Rating

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

Short Circuit Current: 100A

#### Notes:

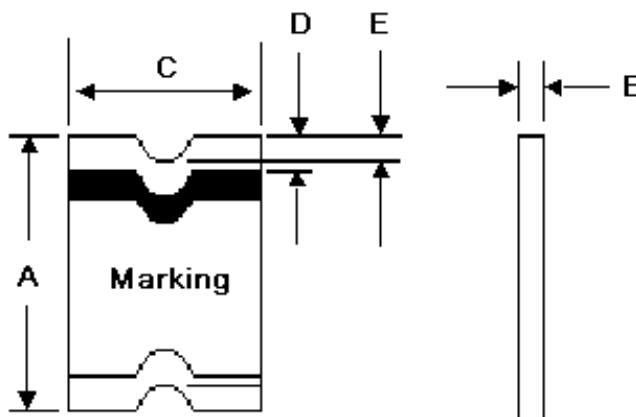
1. All terminations are tin plated.
2. Drawing not to scale

#### Marking:

7 X L

PART IDENTIFICATION

MANUFACTURER'S MARK



**TABLE I. DIMENSIONS:**

|     | A       |         | B       |         | C       |         | D       |         | E       |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|     | MIN     | MAX     | MIN     | MAX     | MIN     | MAX     | MIN     | MAX     | MIN     |
| mm: | 4.37    | 4.73    | 0.38    | 0.62    | 3.07    | 3.41    | 0.25    | 0.95    | 0.20    |
| in: | (0.172) | (0.186) | (0.015) | (0.025) | (0.121) | (0.134) | (0.010) | (0.040) | (0.008) |

**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, 8A MAX | OHMS AT 20°C      |      | WATTS AT 20°C, 13.2V MAX          |
| HOLD               | TRIP | HOLD            | TRIP | HOLD            | TRIP |                         | MIN               | MAX* |                                   |
| 0.87               | 1.74 | 0.75            | 1.50 | 0.49            | 0.98 | 0.2                     | 0.11              | 0.45 | 1.0                               |

\* Maximum 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**

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: MINIASMDC075F**

DOCUMENT: SCD29090

REV LETTER: A

REV DATE: SEPTEMBER 26, 2016

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