

**Specification Status: Released**

**Maximum Electrical Rating**

**Voltage: 33V<sub>DC</sub>**

**Short Circuit Current: 40A**

**Notes:**

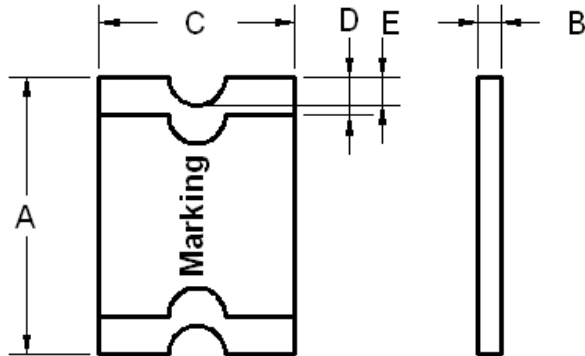
1. All terminations are tin plated.
2. Drawing not to scale

**Marking:**

⊗ 125F

PART IDENTIFICATION

MANUFACTURER'S MARK



**TABLE I. DIMENSIONS:**

|     | A      |        | B      |        | C      |        | D      |        | E      |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|     | MIN    | MAX    | MIN    | MAX    | MIN    | MAX    | MIN    | MAX    | MIN    |
| mm: | 7.30   | 7.70   | 0.45   | 0.71   | 4.90   | 5.30   | 0.25   | 0.95   | 0.20   |
| in: | (0.29) | (0.30) | (0.02) | (0.03) | (0.19) | (0.21) | (0.01) | (0.04) | (0.01) |

**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, 33V MAX            |
| HOLD              | TRIP | HOLD            | TRIP | HOLD            | TRIP |                           | MIN               | MAX* |                                   |
| 1.55              | 3.10 | 1.25            | 2.50 | 0.84            | 1.68 | 2.0                       | 0.04              | 0.25 | 1.5                               |

\* Maximum resistance is measured 1 hour after reflow.

\*\* Values Specified were determined using PCB's with 0.150"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: ASMDC125F/33**

DOCUMENT: SCD29099  
REV LETTER: A  
REV DATE: SEPTEMBER 26, 2016  
PAGE NO.: 2 OF 2

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