

## Specification Status: Released

### Maximum Electrical Rating

Voltage: 15.0V<sub>DC</sub>

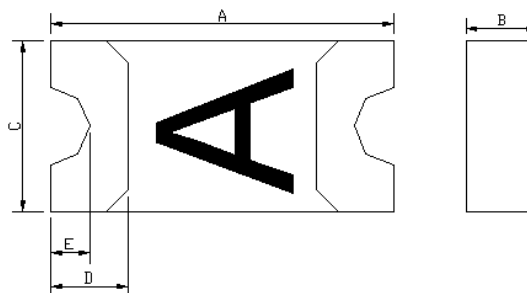
Short Circuit Current: 10A

#### Notes:

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

#### Marking:

A



**TABLE I. DIMENSIONS:**

|     | A       |         | B       |         | C       |         | D       |         | E       |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|     | MIN     | MAX     | MIN     | MAX     | MIN     | MAX     | MIN     | MAX     | MIN     |
| mm: | 1.40    | 1.80    | 0.45    | 0.85    | 0.60    | 1.00    | 0.10    | 0.50    | 0.075   |
| in: | (0.055) | (0.071) | (0.017) | (0.033) | (0.023) | (0.039) | (0.004) | (0.020) | (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 |      | AMPERES AT 85°C |      | SECONDS AT 25°C, 0.5A | OHMS AT 25°C      | WATTS AT 25°C, 15.0V              |
| HOLD              | TRIP | HOLD            | TRIP | HOLD            | TRIP | HOLD            | TRIP | MAX                   | MIN               | MAX                               |
| 0.06              | 0.18 | 0.05            | 0.15 | 0.03            | 0.09 | 0.02            | 0.06 | 0.1                   | 3.80              | 30.00                             |
|                   |      |                 |      |                 |      |                 |      |                       |                   | 0.5                               |

\* Maximum resistance is measured 1 hour after reflow.

\*\* Values specified were determined using PCB's with 0.030"x1.0 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: FEMTOASMDC005F**

DOCUMENT: SCD29082

REV LETTER: A

REV DATE: SEPTEMBER 26, 2016

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