

## Specification Status: Released

### Maximum Electrical Rating

Voltage: 60V<sub>DC</sub>

Short Circuit Current: 10A

#### Notes:

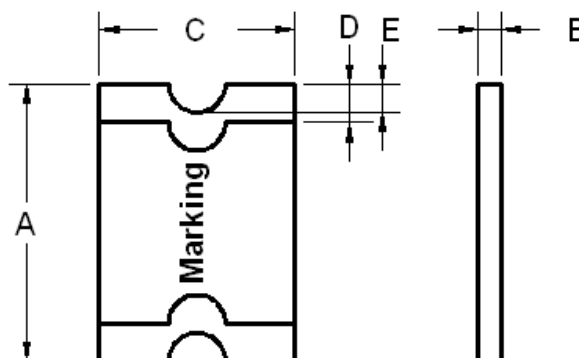
1. All terminations are tin plated.
2. Drawing not to scale

#### Marking:

✕ 030F

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    | 0.63    | 0.90    | 4.90    | 5.30    | 0.25    | 0.95    | 0.20    |
| in: | (0.287) | (0.303) | (0.025) | (0.035) | (0.193) | (0.209) | (0.010) | (0.037) | (0.008) |

**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, 1.5A MAX | OHMS AT 25°C      | WATTS AT 25°C, 60V MAX            |
| HOLD              | TRIP | HOLD            | TRIP | HOLD            | TRIP |                           | MIN               | MAX*                              |
| 0.37              | 0.76 | 0.30            | 0.60 | 0.19            | 0.38 | 3.0                       | 0.30              | 3.40                              |
|                   |      |                 |      |                 |      |                           |                   | 1.5                               |

\* Maximum resistance is measured 1 hour after reflow.

\*\* Values Specified were determined using PCB's with 0.070"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: ASMDC030F**

DOCUMENT: SCD29096  
REV LETTER: A  
REV DATE: SEPTEMBER 26, 2016  
PAGE NO.: 2 OF 2

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