

## Specification Status: Released

### Maximum Electrical Rating

Voltage: 30V<sub>DC</sub>

Short Circuit Current: 10A

#### Notes:

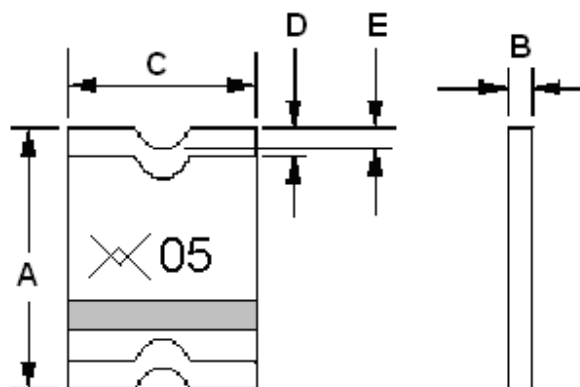
1. All terminations are tin plated.
2. Drawing not to scale

#### Marking:



PART IDENTIFICATION

MANUFACTURER'S MARK



**TABLE I. DIMENSIONS:**

|     | A       |         | B       |         | C       |         | D       |         | E       |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|     | MIN     | MAX     | MIN     | MAX     | MIN     | MAX     | MIN     | MAX     | MIN     |
| mm: | 3.00    | 3.43    | 0.50    | 0.85    | 2.35    | 2.80    | 0.25    | 0.75    | 0.076   |
| in: | (0.118) | (0.135) | (0.019) | (0.034) | (0.092) | (0.110) | (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 20°C |      | AMPERES AT 60°C |      | SECONDS AT 20°C, 0.25A MAX | OHMS AT 20°C      | WATTS AT 20°C, 30V MAX            |     |
| HOLD              | TRIP | HOLD            | TRIP | HOLD            | TRIP |                            | MIN               | MAX*                              |     |
| 0.06              | 0.18 | 0.05            | 0.15 | 0.03            | 0.09 | 1.5                        | 3.6               | 50.0                              | 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.

Agency Recognition: UL, CSA, TÜV  
 Reference Document: PS300  
 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: microSMD005F**

DOCUMENT: SCD25058  
REV LETTER: I  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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