

**Specification Status: Released**

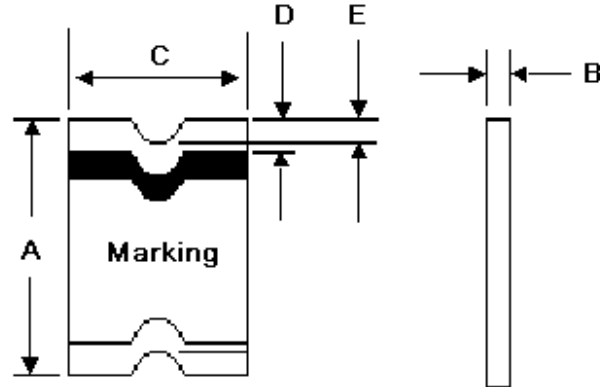
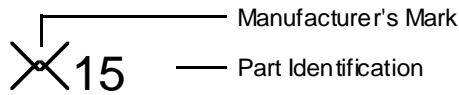
**Maximum Electrical Rating**

**Voltage: 6V<sub>DC</sub>**  
**Short Circuit Current: 100A**

**Notes:**

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

**Marking:**



**TABLE I. DIMENSIONS:**

|     | A       |         | B       |         | C       |         | D       |         | E       |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|     | MIN     | MAX     | MIN     | MAX     | MIN     | MAX     | MIN     | MAX     | MIN     |
| mm: | 4.37    | 4.73    | 0.28    | 0.48    | 3.07    | 3.41    | 0.25    | 0.95    | 0.20    |
| in: | (0.172) | (0.186) | (0.011) | (0.019) | (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, 6V MAX             |
| HOLD               | TRIP | HOLD            | TRIP | HOLD            | TRIP |                         | MIN               | MAX*  |                                   |
| 1.77               | 3.54 | 1.50            | 3.00 | 0.95            | 1.90 | 0.5                     | 0.040             | 0.110 | 0.8                               |

\* 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 Documents: 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: miniSMDC150F**

DOCUMENT: SCD25038  
REV LETTER: H  
REV DATE: JULY 26, 2016  
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