Raychem Circuit Protection 308 Constitution Drive Menlo Park, CA 94025 800-227-4856 FAX 800-227-4866

# **RAYCHEM**

**PolySwitch® PTC Devices** 

**Overcurrent Protection Device** 

PRODUCT: miniSMDC200

DOCUMENT: SCD24406

PCN: 472815 **REV LETTER: C** 

REV DATE: OCTOBER 25, 2000

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#### **Specification Status:** Released

## **Maximum Electrical Rating**

Voltage: 6VDC

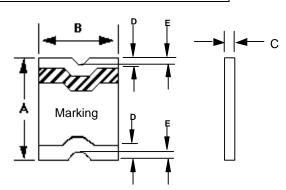
**Short Circuit Current: 100A** 

### Notes:

- 1. All terminations are tin/lead plated.
- 2. Devices can be wave soldered.
- 3. Drawing not to scale

#### Marking:





### TABLE I. DIMENSIONS:

|     | MIN     | MAX     | MIN     | MAX     | MIN     | MAX     | MIN     | MIN     | l |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---|
| mm: | 4.37    | 4.73    | 3.07    | 3.41    | 0.51    | 1.22    | 0.30    | 0.25    | ĺ |
| in: | (0.172) | (0.186) | (0.121) | (0.134) | (0.020) | (0.048) | (0.012) | (0.010) | ĺ |

### TABLE II. PERFORMANCE RATINGS:

| <br>TABLE III. I ERI ORIIIAROE RATINOS. |                       |      |         |      |         |         |             |     |            |               |          |
|---|-----------------------|------|---------|------|---------|---------|-------------|-----|------------|---------------|----------|
| IHOLD **                                | CURRENT TRIP LIMITS** |      |         |      |         |         | TIME TO     |     | RESISTANCE |               | TRIPPED- |
| RATED                                   |                       |      |         |      |         | TRIP ** |             | VAL | UES        | STATE POWER   |          |
| CURRENT                                 |                       |      |         |      |         |         |             |     |            | DISSIPATION** |          |
| AMPERES                                 | AMPERES               |      | AMPERES |      | AMPERES |         | SECONDS     |     | OHMS       |               | WATTS AT |
| AT 20°C                                 | AT -40°C              |      | AT 20°C |      | AT 60°C |         | AT 20°C, 8A | 4   | AT 20°C    |               | 20°C, 6V |
| HOLD                                    | HOLD                  | TRIP | HOLD    | TRIP | HOLD    | TRIP    | MAX         |     | MIN        | MAX*          | MAX      |
| 2.00                                    | 2.60                  | 6.00 | 2.00    | 4.00 | 1.50    | 3.00    | 5           |     | 0.020      | 0.070         | 1.0      |

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MAX

Reference Documents: PS300, E. N. SMD1.0x.

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.

Maximum resistance is measured 1 hour after reflow

<sup>\*</sup>Values Specified were determined using PCB's with 0.030"X1.5 ounce copper traces.