

Tyco / Electronics
 Raychem Circuit Protection
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PolySwitch®
PTC Devices
 Overcurrent Protection Device

PRODUCT: miniSMDC050

DOCUMENT: SCD 23384
 PCN: 450691
 REV LETTER: G
 REV DATE: JUNE 6, 2002
 PAGE NO.: 1 OF 1

Specification Status: RELEASED

Maximum Electrical Rating

Voltage: 24V_{DC}
Short Circuit Current: 100A

Notes:

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

Marking:

5 X 9

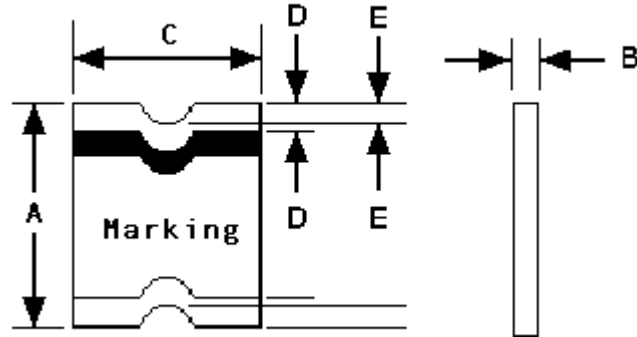
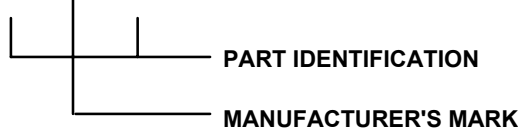


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | E | |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MIN | MAX |
| mm: | 4.37 | 4.73 | 0.38 | 0.62 | 3.07 | 3.41 | 0.30 | 0.25 | 0.50 |
| in: | (0.172) | (0.186) | (0.015) | (0.025) | (0.121) | (0.134) | (0.012) | (0.010) | (0.020) |

TABLE II. PERFORMANCE RATINGS:

| CURRENT RATINGS** | | | TIME TO TRIP** @ 8.0A | RESISTANCE VALUES | | TRIPPED-STATE POWER DISSIPATION** |
|------------------------|----------------------|----------------------|--------------------------|--------------------------|------|-----------------------------------|
| AMPERES AT - 40°C HOLD | AMPERES AT 20°C HOLD | AMPERES AT 60°C HOLD | SECONDS AT 20°C MAX | OHMS AT 20°C MIN MAX* | | WATTS AT 20°C MAX |
| 0.59 | 0.50 | 0.35 | 0.15 | 0.15 | 1.00 | 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.

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:
 flame.

Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.