

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

PRODUCT: miniSMDC110

DOCUMENT: SCD 23489
 PCN: 472815
 REV LETTER: H
 REV DATE: JUNE 10, 2002
 PAGE NO.: 1 OF 1

Specification Status:RELEASED

Maximum Electrical Rating

Voltage: 8V_{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:



PART IDENTIFICATION

MANUFACTURER'S MARK

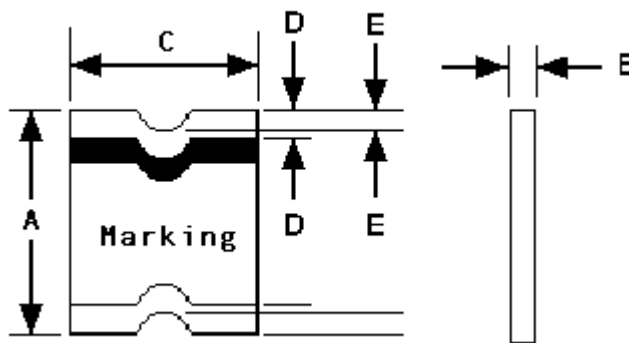


TABLE I. DIMENSIONS:

| | 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 MIN | OHMS AT 20°C MAX* | WATTS AT 20°C MAX |
| 1.60 | 1.10 | 0.71 | 0.3 | 0.04 | 0.21 | 1.2 |

* 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:

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