Tyco / Electronics Raychem Circuit Protection

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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: miniSMDC014

DOCUMENT: SCD 24025

PCN: 941493 REV LETTER: L

REV DATE: SEPTEMBER 12, 2001

PAGE NO.: 1 OF 1

Specification Status: RELEASED

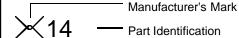
Maximum Electrical Rating

Voltage: 60V_{DC} Current: 10A

Notes:

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

Marking:



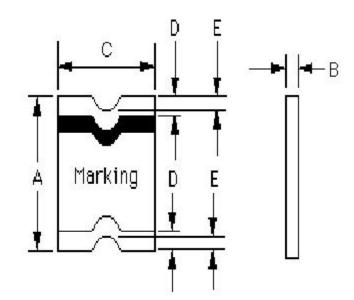


TABLE I. DIMENSIONS:

| | Α | | В | | С | | D | E | E |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MIN | MAX |
| mm | 4.37 | 4.73 | 0.635 | 0.890 | 3.07 | 3.41 | 0.30 | 0.25 | 0.50 |
| : | | | | | | | | | |
| in: | (0.172) | (0.186) | (0.025) | (0.035) | (0.121) | (0.134) | (0.012) | (0.010) | (0.020) |

TABLE II. PERFORMANCE RATINGS:

| 17.522 III 1 21.0 C1.007.00 C1.00 C1 | | | | | | | | | | | | | |
|--|------------------------|---------|---------|--------------------|---------|-------------|----------|--|--|--|--|--|--|
| CUR | RENT RATIN | GS** | TIME TO | TIME TO RESISTANCE | | ANCE | POWER | | | | | | |
| | | TRIP ** | TRIP ** | VALUES | | DISSIPATION | | | | | | | |
| | | | @ 1.5A | @ 8.0A | | | | | | | | | |
| AMPERES | MPERES AMPERES AMPERES | | SECONDS | SECONDS | OHMS | | WATTS AT | | | | | | |
| AT - 40°C | AT 20°C | AT 60°C | AT 20°C | AT 20°C | AT 20°C | | 20°C | | | | | | |
| HOLD | HOLD | HOLD | | | MIN | MAX* | MAX | | | | | | |
| 0.23 | 0.140 | 0.090 | 0.150 | 0.008 | 1.50 | 6.00 | 0.75 | | | | | | |

^{*} Maximum resistance is measured 1 hour after reflow.

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.

^{**}Values Specified were determined using PCB's with 0.030"X1.5 ounce copper traces.