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Raychem
PolySwitch®
PTC Devices
 Overcurrent Protection Device

PRODUCT: microSMD075
 DOCUMENT: SCD 24403
 PCN: 448359
 REV LETTER: D
 REV DATE: FEBRUARY 26, 2000
 PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Electrical Rating

Voltage: 6V_{DC}
Current: 40A

Notes:

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

Marking:

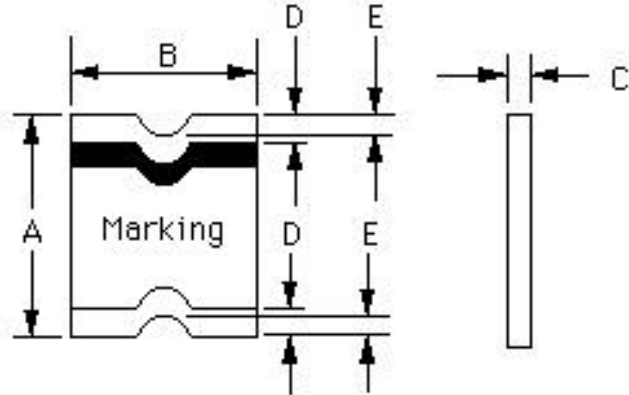
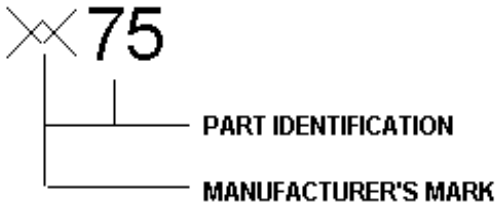


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | E |
|------|-------|-------|-------|-------|-------|-------|-------|-------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MIN |
| mm: | 3.00 | 3.43 | 2.35 | 2.80 | 0.38 | 0.62 | 0.25 | 0.20 |
| in.* | 0.118 | 0.135 | 0.092 | 0.111 | 0.015 | 0.025 | 0.010 | 0.008 |

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

| IHOLD ** RATED CURRENT | CURRENT TRIP LIMITS** | | | | | | TIME TO TRIP ** | | RESISTANCE VALUES | | TRIPPED-STATE POWER DISSIPATION** |
|------------------------------|-----------------------|-----------------------|----------------------|----------------------|----------------------|----------------------|-------------------------|-------------------------|----------------------------|------|-----------------------------------|
| | AMPERES AT 20°C HOLD | AMPERES AT -40°C HOLD | AMPERES AT 20°C TRIP | AMPERES AT 60°C TRIP | AMPERES AT 20°C HOLD | AMPERES AT 60°C TRIP | SECONDS AT 20°C, 5A MAX | SECONDS AT 20°C, 8A MAX | OHMS AT 20°C MIN MAX* | | |
| 0.75 | 1.10 | 2.20 | 0.75 | 1.50 | 0.55 | 1.10 | 0.5 | 0.1 | 0.110 | 0.40 | 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:

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