

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

**PRODUCT: miniSMDC075**

DOCUMENT: SCD 23259  
 PCN: 242001  
 REV LETTER: J  
 REV DATE: FEBRUARY 4, 2004  
 PAGE NO.: 1 OF 1

**Specification Status: RELEASED**

**Maximum Electrical Rating**

**Voltage: 13.2V<sub>DC</sub>**  
**Short Circuit Current: 100A**

**Notes:**

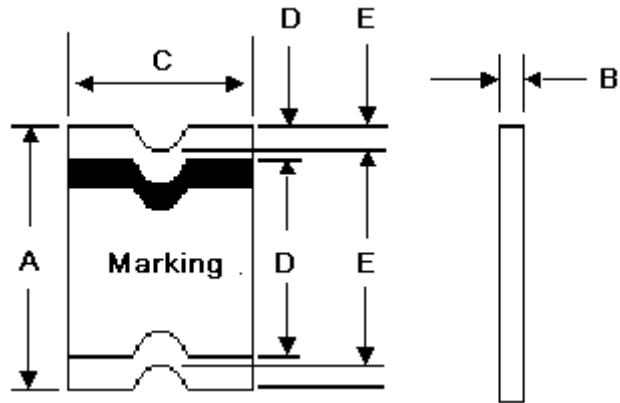
1. All terminations are tin/lead plated.
2. Devices can be wave soldered.
3. Drawing not to scale

**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 **	RESISTANCE VALUES		TRIPPED-STATE POWER DISSIPATION**
AMPERES AT -40°C		AMPERES AT 20°C		AMPERES AT 60°C		SECONDS AT 20°C, 8A MAX	OHMS AT 20°C		WATTS AT 20°C, 13.2V MAX
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX*	
1.10	2.20	0.75	1.50	0.49	0.98	0.2	0.11	0.45	1.0

\* 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.