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[TE Connectivity Raychem Circuit Protection  
MINISMDC075-2](#)

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**RAYCHEM**  
**PolySwitch®**  
**PTC Devices**

Overcurrent Protection Device

**PRODUCT: miniSMDC075**

DOCUMENT: SCD 23259  
PCN: 242001  
REV LETTER: H  
REV DATE: OCTOBER 24, 2000  
PAGE NO.: 1 OF 1

**Specification Status: RELEASED**

**Maximum Electrical Rating**

**Voltage: 13.2V<sub>DC</sub>**

**Short Circuit Current: 100A**

**Notes:**

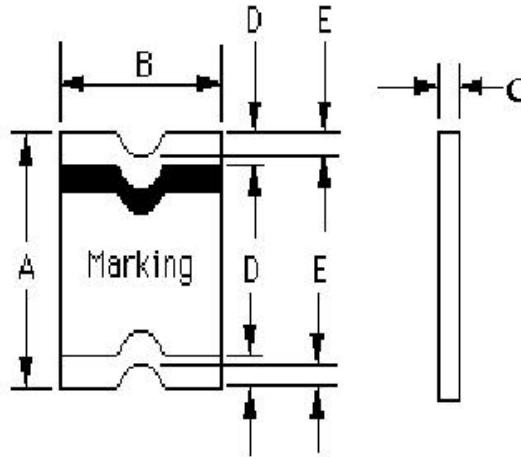
1. All terminations are tin/lead plated.
2. Devices can be wave soldered.
3. Drawing not to scale

**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	3.07	3.41	0.38	0.62	0.30	0.25	0.50
in:	(0.172)	(0.186)	(0.121)	(0.134)	(0.015)	(0.025)	(0.012)	(0.010)	(0.020)

**TABLE II. PERFORMANCE RATINGS:**

IHOLD ** RATED CURRENT	HOLD CURRENT AT TEMPERATURE**				TIME TO TRIP ** @ 8.0A	RESISTANCE VALUES		**TRIPPED-STATE POWER DISSIPATION
	AMPERES AT 20°C HOLD	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*	
0.75	0.81	0.75	0.49	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.