

**Tyco / Electronics**  
**Raychem Circuit Protection**  
 308 Constitution Drive  
 Menlo Park, CA 94025-1164  
 Phone: 800-227-4856  
 Fax: 800-227-4866

**PolySwitch®**  
**PTC Devices**  
 Overcurrent Protection Device

**PRODUCT: miniSMDC075F**  
 DOCUMENT: SCD 25114  
 PCN: A92764  
 REV LETTER: C  
 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:**

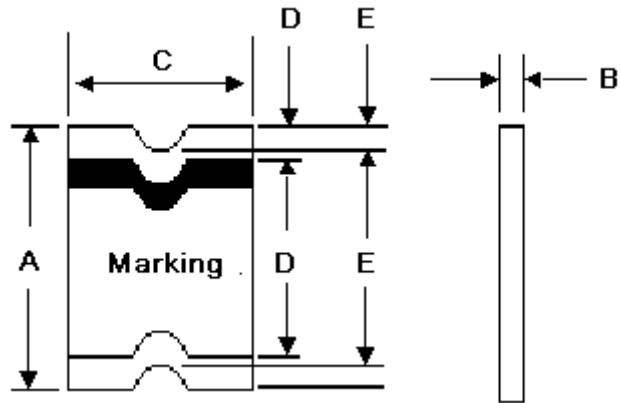
1. All terminations are tin plated.
2. Devices can be wave soldered.
3. Drawing not to scale

**Marking:**



PART IDENTIFICATION

MANUFACTURER'S MARK



**TABLE I. DIMENSIONS:**

	A		B		C		D	E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MIN
mm:	4.37	4.73	0.38	0.62	3.07	3.41	0.25	0.20
in:	(0.172)	(0.186)	(0.015)	(0.025)	(0.121)	(0.134)	(0.010)	(0.008)

**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	OHMS AT 20°C		WATTS AT 20°C, 13.2V
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	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.