

Raychem Corporation  
 300 Constitution Drive  
 Menlo Park, CA 94025  
 800-227-4856  
 FAX 800-227-4866

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

**PRODUCT: microSMD110**  
 DOCUMENT: SCD24404  
 PCN: 848919  
 REV LETTER: D  
 REV DATE: FEBRUARY 26, 2000  
 PAGE NO.: 1 OF 1

**Specification Status: Released**

**Maximum Electrical Rating**

**Voltage: 6V<sub>DC</sub>**  
**Current: 40A**

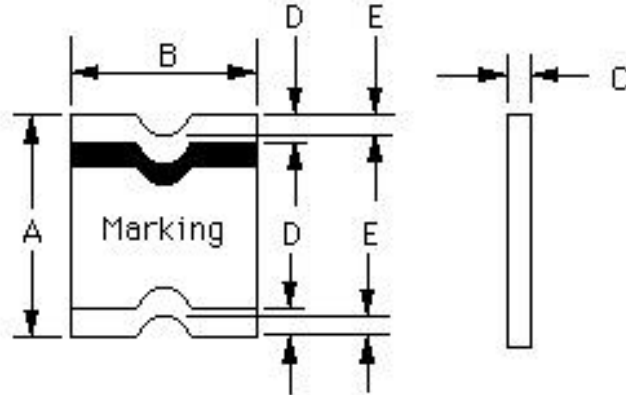
**Notes:**

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
mm:	3.00	3.43	2.35	2.80	0.28	0.48	0.25	0.20
in:*	0.118	0.135	0.092	0.111	0.011	0.019	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	OHMS AT 20°C MAX*	
1.10	1.60	3.20	1.10	2.20	0.80	1.60	1.0	0.2	0.07	0.21	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.