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

**PRODUCT: miniSMDC110**

DOCUMENT: SCD 23489  
 PCN: 472815  
 REV LETTER: H  
 REV DATE: JUNE 10, 2002  
 PAGE NO.: 1 OF 1

**Specification Status:RELEASED**

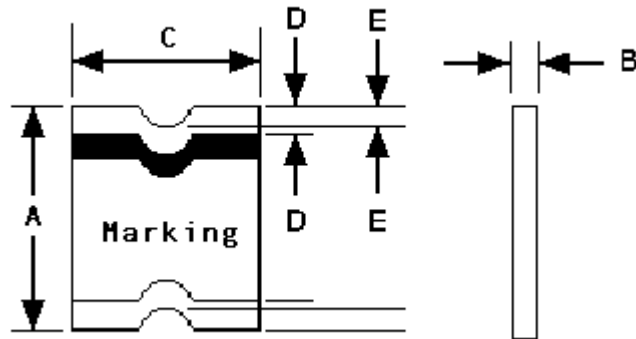
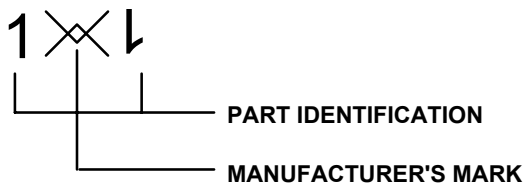
**Maximum Electrical Rating**

**Voltage: 8V<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:**



**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 ** @ 8.0A	RESISTANCE VALUES		TRIPPED-STATE POWER DISSIPATION **
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	OHMS AT 20°C MAX*	WATTS AT 20°C MAX
1.60	1.10	0.71	0.3	0.04	0.21	1.2

\* 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.