

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

PRODUCT: miniSMDC110

DOCUMENT: SCD 23489
 PCN: 472815
 REV LETTER: I
 REV DATE: AUGUST 17, 2004
 PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Electrical Rating

Voltage: 8V_{DC}
Short Circuit Current: 100A

Notes:

1. All terminations are tin/lead plated.
2. Drawing not to scale

Marking:

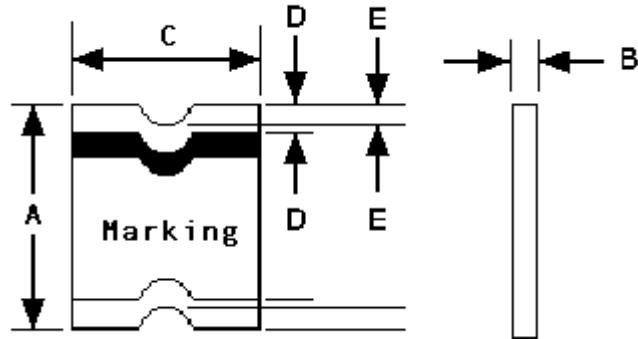
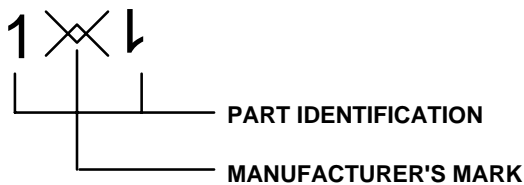


TABLE I. DIMENSIONS:

	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**	RESISTANCE VALUES	TRIPPED-STATE POWER DISSIPATION**	
AMPERES AT 0°C		AMPERES AT 20°C		AMPERES AT 60°C		SECONDS AT 20°C, 8A MAX	OHMS AT 20°C		WATTS AT 20°C, 8V MAX
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX*	
1.28	2.56	1.10	2.20	0.71	1.42	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.

Agency Recognition: UL, CSA and TÜV.
 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.

Materials Information

ELV Compliant

Directive 2000/53/EC Compliant