Tyco / Electronics 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

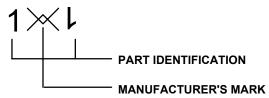
Voltage: 8V_{DC}

Short Circuit Current: 100A

Notes:

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

Marking:



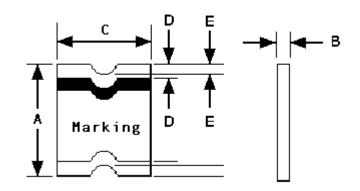


TABLE I. DIMENSIONS:

	Α		В		С		D I		
	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:

CUR	RENT RATING	GS **	TIME TO	RESISTANCE		TRIPPED-STATE						
			TRIP **	VALUES		POWER						
			@ 8.0A			DISSIPATION **						
AMPERES	AMPERES	AMPERES	SECONDS	OHMS		WATTS AT						
AT - 40°C	AT 20°C	AT 60°C	AT 20°C	AT 20°C		20°C MAX						
HOLD	HOLD	HOLD	MAX	MIN	MAX*							
1.60	1.10	0.71	0.3	0.04	0.21	1.2						

^{*} Maximum resistance is measured 1 hour after reflow

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.

^{**} Values Specified were determined using PCB's with 0.030"X1.5 ounce copper traces.