

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

PRODUCT: miniSMDC014

DOCUMENT: SCD 24025
 PCN: 941493
 REV LETTER: L
 REV DATE: SEPTEMBER 12, 2001
 PAGE NO.: 1 OF 1

Specification Status: RELEASED

Maximum Electrical Rating

Voltage: 60V_{DC}
Current: 10A

Notes:

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

Marking:

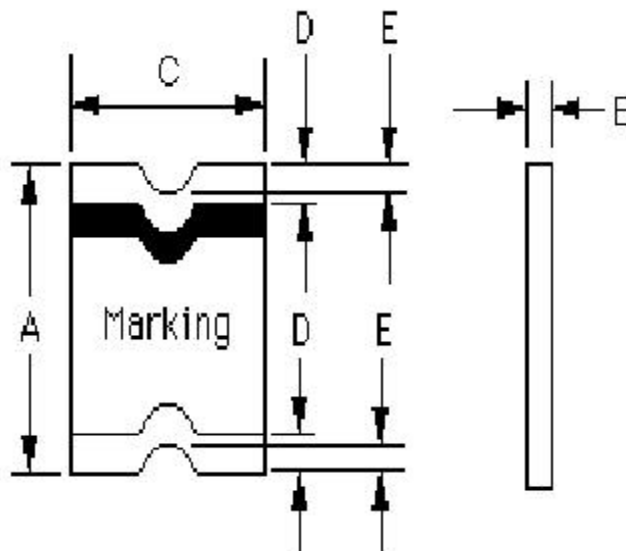
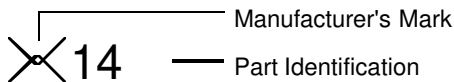


TABLE I. DIMENSIONS:

	A		B		C		D	E	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MIN	MAX
mm	4.37	4.73	0.635	0.890	3.07	3.41	0.30	0.25	0.50
in:	(0.172)	(0.186)	(0.025)	(0.035)	(0.121)	(0.134)	(0.012)	(0.010)	(0.020)

TABLE II. PERFORMANCE RATINGS:

CURRENT RATINGS**			TIME TO TRIP ** @ 1.5A	TIME TO TRIP ** @ 8.0A	RESISTANCE VALUES		POWER DISSIPATION
AMPERES AT -40°C HOLD	AMPERES AT 20°C HOLD	AMPERES AT 60°C HOLD	SECONDS AT 20°C	SECONDS AT 20°C	OHMS AT 20°C MIN MAX*		WATTS AT 20°C MAX
0.23	0.140	0.090	0.150	0.008	1.50	6.00	0.75

* 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.