Tyco / Electronics
Raychem Circuit Protection
308 Constitution Drive
Menlo Park, CA 94025-1164

Phone: 800-227-4856 Fax: 800-227-4866

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: nanoSMDC150

DOCUMENT: SCD 24573

PCN: 365226 REV LETTER: F

REV DATE: NOVEMBER 8, 2001

PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Electrical Rating

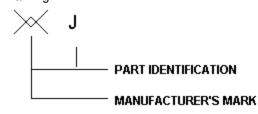
Voltage: 6.0V_{DC} MAX Short Circuit Current: 100A

Notes:

- 1. All terminations are Tin/Lead plated.
- 2. Devices cannot be wave soldered.
- 3. Drawing not to scale

Marking:

mm: in:



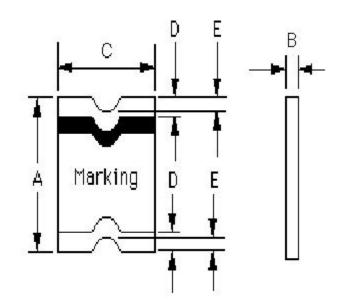


TABLE I. DIMENSIONS:

Α		В		С		D	E
MIN	MAX	MIN	MAX	MIN	MAX	MIN	MIN
3.00	3.4	0.85	1.40	1.37	1.90	0.25	0.127
(0.118)	(0.135)	(0.033)	(0.055)	(0.054)	(0.075)	(0.010)	0.005

^{*}Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

TABLE II. I ETII OTIIMANOE HATINGO.											
CURRENT RATINGS**						TIME TO	RESISTANCE		TRIPPED-STATE		
						TRIP **	VALUES		POWER		
								DISSIPATION**			
AMPI	AMPERES AMPERES AMPERES		AMPERES		SECONDS	OHMS		WATTS AT			
AT 0°C		AT 25°C		AT 60°C		AT 25°C, 8.0A	AT 25°C		25°C, 6.0V		
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX		
1.77	3.54	1.50	3.00	1.10	2.20	1.0	0.04	0.11	0.8		

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

Reference Documents: PS300

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.