Tyco / Electronics

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## **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**

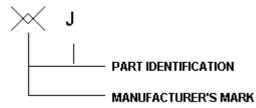
## **Maximum Electrical Rating**

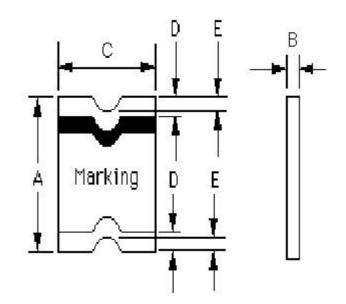
Voltage: 6.0V<sub>DC</sub> MAX **Short Circuit Current: 100A** 

#### Notes:

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

#### Marking:





#### TABLE I. DIMENSIONS:

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

<sup>\*</sup>Rounded off approximation

### TABLE IL PERFORMANCE RATINGS:

TABLE II: I ERI ORIMANOE RATINOO:											
	CUF	RRENT	RATING	3S**		TIME TO	RESISTANCE		TRIPPED-STATE		
						TRIP **	VALUES		POWER		
									DISSIPATION**		
AMPI	ERES	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		

<sup>\*</sup>Maximum resistance is measured 1 hour after reflow.

Reference Documents:

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.

<sup>\*\*</sup> Values specified were determined using PCB's with 0.030"X1.5 ounce copper traces.