Tyco / Electronics Raychem Circuit Protection

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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: nanoSMDC150

DOCUMENT: SCD 24573

PCN: 365226 **REV LETTER: H**

REV DATE: NOVEMBER 22, 2002

PAGE NO.: 1 OF 1

Specification Status: Released

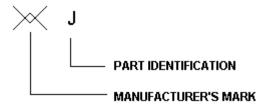
Maximum Electrical Rating

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:



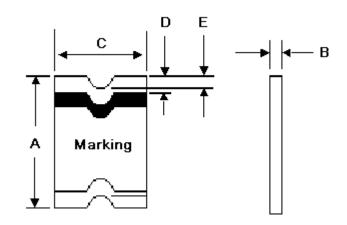


TABLE I. DIMENSIONS:

	Α		В		С		D	Е
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MIN
mm:	3.00	3.4	0.85	1.40	1.37	1.80	0.25	0.076
in:	(0.118)	(0.134)	(0.033)	(0.055)	(0.054)	(0.071)	(0.010)	(0.003)

^{*}Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

	CUF	RRENT	RATING	3S**		TIME TO	RESISTANCE		TRIPPED-
						TRIP **	VALUES		STATE POWER
									DISSIPATION**
AMP	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	0.3	0.04	0.110	0.8

^{*}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.

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