

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:

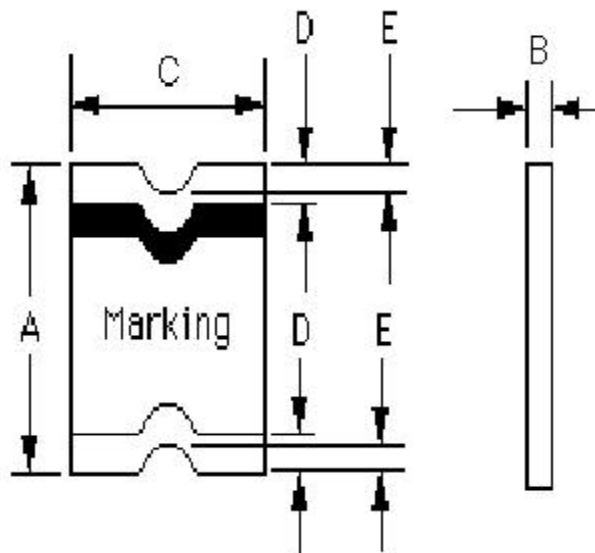
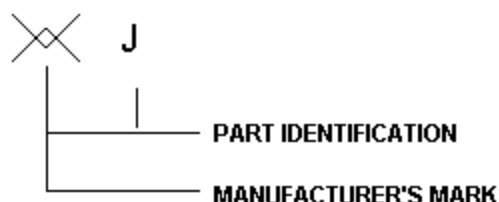


TABLE I. DIMENSIONS:

	A		B		C		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

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

CURRENT RATINGS**						TIME TO TRIP **	RESISTANCE VALUES		TRIPPED-STATE POWER DISSIPATION**
AMPERES AT 0°C		AMPERES AT 25°C		AMPERES AT 60°C		SECONDS AT 25°C, 8.0A	OHMS AT 25°C		WATTS AT 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.

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

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.