

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

PRODUCT: nanoSMDC020F
 DOCUMENT: SCD 25536
 PCN: F64573
 REV LETTER: A
 REV DATE :OCTOBER 9, 2003
 PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Electrical Rating

Voltage: 24V_{DC} MAX

Short Circuit Current: 100A

Notes:

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

Marking:



PART IDENTIFICATION

MANUFACTURER'S MARK

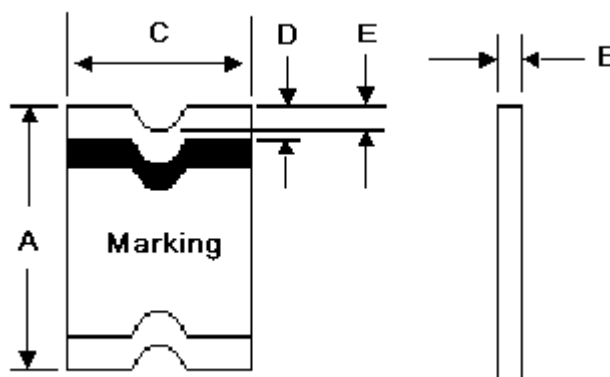


TABLE I. DIMENSIONS:

	A		B		C		D	E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MIN
mm:	3.00	3.4	0.38	0.64	1.37	1.80	0.15	0.076
in:	(0.118)	(0.134)	(0.015)	(0.025)	(0.054)	(0.071)	(0.006)	(0.003)

*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 MAX	OHMS AT 25°C		WATTS AT 25°C, 24V MAX
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN*	MAX*	
0.26	0.54	0.20	0.42	0.13	0.27	0.1	1.2	3.8	0.6

* 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 Por current may result in rupture, electrical arcing or flame.