

308 Constitution Drive Menlo Park, CA 94025-1164 Phone: 800-227-4856 www.circuitprotection.com

# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: nanoSMDC200F

DOCUMENT: SCD27773 REV LETTER: B

REV DATE: MAY 9, 2011 PAGE NO.: 1 OF 1

## **Specification Status: Released**

### **Maximum Electrical Rating**

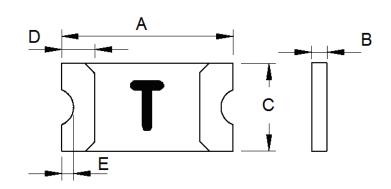
Voltage: 6.0V<sub>DC</sub>

**Short Circuit Current: 100A** 

#### Notes:

- 1. All terminations are tin plated.
- 2. Drawing not to scale

Marking: **T** 



#### **TABLE I. DIMENSIONS:**

	Α		В		С		D		E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	3.00	3.40	0.83	1.10	1.37	1.80	0.25	0.75	0.07
in:	(0.118)	(0.134)	(0.033)	(0.043)	(0.054)	(0.071)	(0.010)	(0.030)	(0.00

#### **TABLE II. PERFORMANCE RATINGS:**

CURRENT RATINGS**						TIME TO TRIP**	RESISTANCE VALUES		TRIPPED-STATE POWER DISSIPATION**		
AMPERES AT 0°C HOLD   TRIP		AMPERES AT 25°C HOLD TRIP		AMPERES AT 60°C HOLD TRIP		SECONDS AT 25°C, 8.0A MAX	OHMS AT 25°C MIN   MAX*		WATTS AT 25°C, 6.0V MAX		
2.35	4.7	2.0	4.0	1.5	3.0	1.5	0.020	0.072	1.0		

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

Agency Recognitions: UL, CSA, TÜV 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.

#### **Materials Information**

ROHS Compliant ELV Compliant

Pb-Free

**Halogen Free\*** 

Directive 2002/95/EC Compliant Directive 2000/53/EC Compliant





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<sup>\*\*</sup> Values specified were determined using PCB's with 0.040"X2.0 ounce copper traces.

<sup>\*</sup> Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm.