

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: nanoSMDC010F

DOCUMENT: SCD28885

REV LETTER: A

REV DATE: JULY 26, 2016

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Specification Status: Released

Maximum Electrical Rating

Voltage: 60V_{DC}

Short Circuit Current: 10A

Notes:

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

Marking:



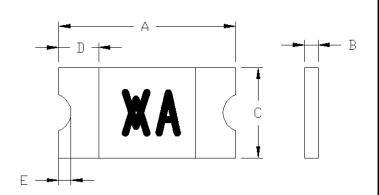


TABLE I. DIMENSIONS:

	Α		В		С		D		Е
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	3.00	3.40	0.62	1.00	1.37	1.80	0.25	0.75	0.076
in:	(0.118)	(0.134)	(0.024)	(0.039)	(0.054)	(0.071)	(0.010)	(0.030)	(0.003)

TABL II. PERFORMANCE RATINGS:

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CURRENT RATINGS**						TIME TO	RESISTANCE		_		
						TRIP**	VALUES		POWER		
									DISSIPATION**		
AMPERES		AMPERES		AMPERES		SECONDS	OHMS		WATTS AT		
AT 0°C		AT 25°C		AT 60°C		AT 25°C, 0.5A	AT 25°C		25°C, 60V		
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX		
0.12	0.30	0.10	0.25	0.07	0.18	1.0	1.60	15.00	0.8		

^{*}Maximum resistance is measured 1 hour after reflow.

Agency Recognition: UL, TÜV Reference Document: 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

Directive 2002/95/EC Compliant **ELV Compliant**

Directive 2000/53/EC Compliant Pb-Free



Halogen Free*



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

^{*} Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm.



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