

308 Constitution Drive Menlo Park, CA USA www.circuitprotection.com

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: nanoSMDC016F

DOCUMENT: SCD26095

REV LETTER: G

REV DATE: MAY 11, 2011

PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Electrical Rating

Voltage: 48V_{DC}

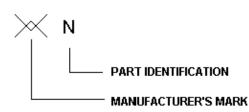
Short Circuit Current: 10A

Notes:

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

Marking

mm: in:



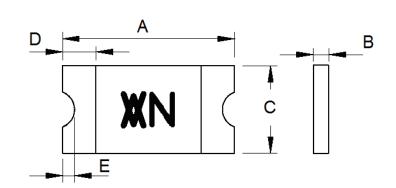


TABLE I. DIMENSIONS:

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

TABLE II. PERFORMANCE RATINGS:

	CUF	RRENT F	RATIN	GS**		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, 1.0A MAX		IMS 25°C MAX*	WATTS AT 25°C, 48V MAX	
0.18	0.70	0.16	0.45	0.12	0.28	0.3	1.1	5.0	0.5	

^{*} 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

HalogeFree*

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





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^{**} 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