

308 Constitution Drive Over

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

PolySwitch® PTC Devices

Overcurrent Protection Device

Raychem Circuit Protection Products

PRODUCT: nanoSMDC016F

DOCUMENT: SCD 26095

REV LETTER: E

REV DATE: JANUARY 20, 2009

PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Electrical Rating

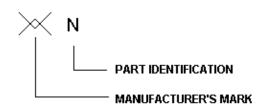
Voltage: 48V_{DC}

Short Circuit Current: 10A

Notes:

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

Marking



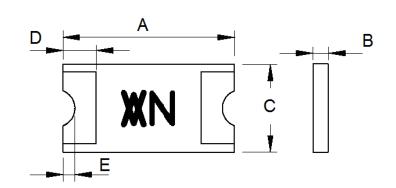


TABLE I. DIMENSIONS:

mm: in:

Α		В		С		D		E
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:

TABLE III I EIG GRAMATOE TATTITOGE												
CURRENT RATINGS**						TIME TO TRIP**	RESISTANCE VALUES		TRIPPED-STATE POWER			
								DISSIPATION**				
AMPERES		AMPERES		AMPERES		SECONDS	OHMS		WATTS AT			
AT 0°C		AT 25°C		AT 60°C		AT 25°C, 1.0A	AT 25°C		25°C, 48V			
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	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

Directive 2002/95/EC

Compliant

ELV Compliant

Pb-Free

Halogen Free*





© 2006, 2009 Tyco Electronics Corporation. All rights reserved.

^{**} 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