

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

PolySwitch® PTC Devices

Overcurrent Protection Device

Raychem Circuit Protection Products

PRODUCT: nanoSMDC110F

DOCUMENT: SCD 26732

PCN: RF0529 REV LETTER: B

REV DATE: APRIL 21, 2007

PAGE NO.: 1 OF 1

Specification Status: Released

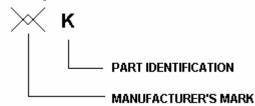
Maximum Electrical Rating

Voltage: 6.0V_{DC} MAX Short Circuit Current: 100A

Notes:

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

Marking:



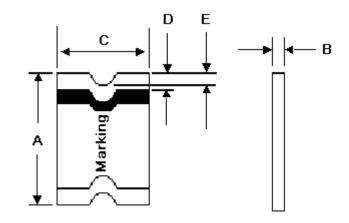


TABLE I. DIMENSIONS:

mm: in:

Α		В		С		D		E
MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
3.00	3.4	0.28	0.67	1.37	1.80	0.25	0.75	0.076
(0.118)	(0.134)	(0.011)	(0.026)	(0.054)	(0.071)	(0.010)	(0.030)	(0.003)

TABLE II. PERFORMANCE RATINGS:

	<u> </u>												
	CUR	RENT	RATING	GS**		TIME TO	RESISTANCE		TRIPPED-				
						TRIP **	VALUES		STATE POWER				
									DISSIPATION**				
AMPE	AMPERES		AMPERES		ERES	SECONDS	OHMS		WATTS AT				
AT 0°C		AT 20°C		AT 60°C		AT 20°C, 8.0A	AT 20°C		20°C, 6.0V				
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX				
1.3	2.6	1.10	2.20	0.8	1.6	0.1	0.07	0.20	0.8				

^{*}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

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

Directive 2000/53/EC Compliant Pb-Free



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