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PolySwitch® PTC Devices

Overcurrent Protection Device

Raychem Circuit Protection Products

PRODUCT: nanoSMDC110F

DOCUMENT: SCD 26732 REV LETTER: D

REV DATE: DECEMBER 4, 2008

PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Electrical Rating

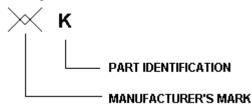
Voltage: 6.0V_{DC}

Short Circuit Current: 100A

Notes:

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

Marking:



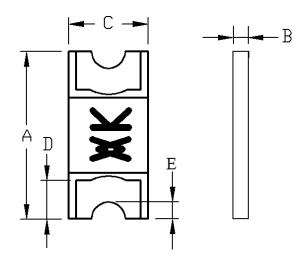


TABLE I. DIMENSIONS:

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

TABLE II. PERFORMANCE RATINGS:

ı	CURRENT RATINGS**						TIME TO	IME TO RESISTA		TRIPPED-
							TRIP **	VALUES		STATE POWER
										DISSIPATION**
	AMPERES		AMPERES		AMPERES		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

ELV Compliant

Pb-Free

Halogen Free*



Directive 2000/53/EC Compliant



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

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