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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: nanoSMDC075F

DOCUMENT: SCD25128 REV LETTER: N

REV DATE: AUGUST 15, 2011

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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:



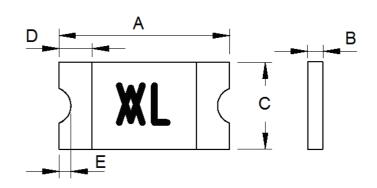


TABLE I. DIMENSIONS:

	Α		В		С		D		Е
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	3.00	3.40	0.44	0.68	1.37	1.80	0.25	0.75	0.076
in:	(0.118)	(0.134)	(0.017)	(0.027)	(0.054)	(0.071)	(0.010)	(0.030)	(0.003)

TABL II. PERFORMANCE RATINGS:

CURRENT RATINGS**						TIME TO	RESISTANCE		TRIPPED-STATE		
						TRIP**	VALUES		POWER		
									DISSIPATION**		
AMPERES AMPE		RES	AMPERES		SECONDS	OHMS		WATTS AT			
O°C TA		AT 25℃		AT 60℃		AT 25℃, 8.0A	AT 25℃		25℃, 6.0V		
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX		
0.92	1.87	0.75	1.50	0.58	1.14	0.1	0.09	0.30	0.8		

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

Agency Recognition: UL, CSA, 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 ELV Compliant

Pb-Free

Halogen Free*

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





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

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