# *<del>E</del> Tyco Electronics*

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## PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: nanoSMDC075F

DOCUMENT: SCD 25128 REV LETTER: L REV DATE: JUNE 12, 2009 PAGE NO.: 1 OF 1

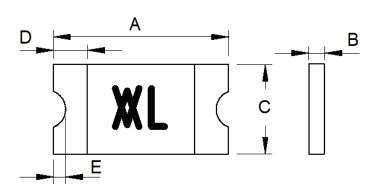
Raychem Circuit Protection Products

## **Specification Status: Released**

Maximum Electrical Rating Voltage: 6.0V<sub>DC</sub> Short Circuit Current: 100A

Notes:

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



Marking:



- MANUFACTURER'S MARK

#### TABLE I. DIMENSIONS:

	А		В		С		D		E
	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**	
	AMPE	RES	AMPERES		AMPERES		SECONDS	OHMS		WATTS AT	
	AT 0°C		AT 25°C		AT 60°C		AT 25°C, 8.0A	AT 25°C		25°C, 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.

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

Agency Recognitions:	UL, CSA
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



Halogen Free\*





Directive 2000/53/EC Compliant

\* Halogen Free refers to: Br $\leq$ 900ppm, Cl $\leq$ 900ppm, Br+Cl $\leq$ 1500ppm

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