*Tyco / Electronics Raychem Circuit Protection* 308 Constitution Drive Menlo Park, CA 94025-1164 Phone: 800-227-4856 Fax: 800-227-4866

## PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: nanoSMDM075F

DOCUMENT: SCD 24861 PCN: D53090 REV LETTER: B REV DATE: SEPTEMBER 17, 2001 PAGE NO.: 1 OF 1

## Specification Status: Released

В

Maximum Electrical Rating Voltage: 6.0V<sub>DC</sub> MAX Current: 40A

Notes:

- 1. All terminations are gold plated. Partial coverage of plating with tin may occur without effect on solderability or electrical performance
- 2. Devices cannot be wave soldered.
- 3. Drawing not to scale.

Marking:

Manufacturer's Mark

X 07F - Part Identification

## TABLE I. DIMENSIONS:

	А		В		С		D		
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	
mm:	3.0	3.4	0.8	1.2	1.4	1.8	0.75	1.05	
in:*	(0.118)	(0.134)	(0.032)	(0.047)	(0.055)	(0.071)	(0.030)	(0.041)	

\*Rounded off approximation

## TABLE II. PERFORMANCE RATINGS:

	CUR	RENT F	RATING	S**		TIME TO	RESISTANCE		TRIPPED-
						TRIP **	VALUES		STATE POWER
									DISSIPATION**
AMPERES		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
0.85	1.70	0.75	1.50	0.52	1.04	0.20	0.10	0.29	0.6

\*Maximum resistance is measured 1 hour after reflow.

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

Reference Documents:PS300Precedence: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.

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