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: nanoSMDM100

DOCUMENT: SCD 24572 PCN: 974958 REV LETTER: E REV DATE: AUGUST 10, 2001 PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Electrical Rating Voltage: 6.0V_{DC} MAX Current: 40A

Notes:

1. All terminations are gold plated. Partial coverage of plating with solder may occur without effect on solderability or electrical performance



3. Drawing not to scale.

Marking:

Manufacturer's Mark

× 100 — Part Identification

TABLE I. DIMENSIONS:

	A		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:

	CUF	RRENT F	RATING	S**		TIME TO	RESISTANCE		TRIPPED-STATE
						TRIP **	VALUES		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
1.15	2.07	1.00	1.80	0.70	1.26	0.30	0.06	0.21	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.

