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PolySwitch® PTC Devices

Overcurrent Protection Device

Raychem Circuit Protection Products

PRODUCT: nanoSMDC050F/13.2

DOCUMENT: SCD 25269

REV LETTER: I

REV DATE: JUNE 12, 2009

PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Electrical Rating

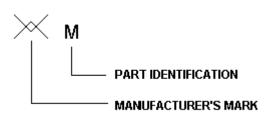
Voltage: 13.2V_{DC}

Short Circuit Current: 100A

Notes:

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

Marking:



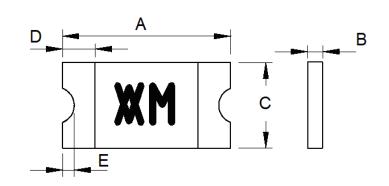


TABLE I. DIMENSIONS:

	Α		В		С		D		Е
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	3.00	3.40	0.50	0.74	1.37	1.80	0.25	0.75	0.076
in:	(0.118)	(0.134)	(0.019)	(0.029)	(0.054)	(0.071)	(0.010)	(0.030)	(0.003)

TABLE II. PERFORMANCE RATINGS:

CURRENT RATINGS**						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, 13.2V		
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX		
0.61	1.24	0.50	1.10	0.35	0.75	0.1	0.20	0.75	0.8		

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

UL, CSA, TÜV Agency Recognitions: 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 flam

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≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm