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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: nanoSMDC020F

DOCUMENT: SCD25536

REV LETTER: J

REV DATE: MAY 12, 2011

PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Electrical Rating

Voltage: 24V_{DC}

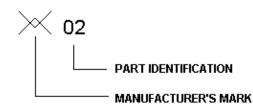
Short Circuit Current: 100A

Notes:

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

Marking:

mm: in:



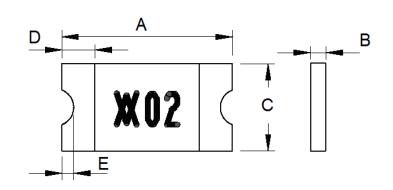


TABLE I. DIMENSIONS:

	Α		В		С		D		Е
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
:	3.00	3.40	0.58	0.82	1.37	1.80	0.25	0.75	0.076
	(0.118)	(0.134)	(0.023)	(0.032)	(0.054)	(0.071)	(0.010)	(0.030)	(0.003)

TABLE II. PERFORMANCE RATINGS:

CURRENT RATINGS**						TIME TO TRIP**	RESISTANCE VALUES		TRIPPED-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, 24V			
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX			
0.26	0.54	0.20	0.42	0.13	0.27	0.1	0.65	3.1	0.6			

^{*} Resistance is measured 1 hour after reflow.

Agency Recognitions: UL, CSA, TÜV 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

Pb-Free

Halogen Free*

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