

PolySwitch® PTC Devices

PRODUCT: nanoSMDC020F

Overcurrent Protection Device

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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

X02

А

Marking:

imes 02

PART IDENTIFICATION

MANUFACTURER'S MARK

TABLE I. DIMENSIONS:

	A		В		С		D		E		
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN		
mm:	3.00	3.40	0.58	0.82	1.37	1.80	0.25	0.75	0.076		
in:	(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.

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

Agency Recognitions: UL, CSA, TÜV

Reference Documents: PS300

This specification takes precedence over documents referenced herein. Reference documents shall be the issue in effect on the date of invitation for bid. Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

Materials Information

ROHS Compliant Directive 2000/53/EC

Compliant

Precedence: Effectivity:

CAUTION:



Directive 2002/95/EC

Compliant





* Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm

В



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