

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: nanoASMDC035F

DOCUMENT: SCD27841 **REV LETTER: B**

REV DATE: JULY 26,2016 PAGE NO.: 1 OF 2

Specification Status: Released

Maximum Electrical Rating

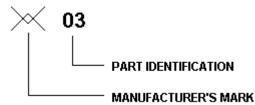
Voltage: 16V_{DC}

Short Circuit Current: 20A

Notes:

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

Marking:



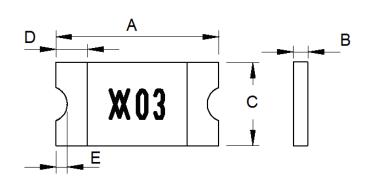


TABLE I. DIMENSIONS:

	Α		В		С		D		Е
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	3.00	3.40	0.58	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:

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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, 3.5A	AT 25°C		25°C, 16V			
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX			
0.44	0.90	0.35	0.75	0.24	0.58	0.1	0.45	1.35	0.6			

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

Reference Documents: PS300, PS400

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 2002/95/EC

Directive 2000/53/EC



^{**} 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.



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