

## PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: nanoSMDC035F

DOCUMENT: SCD25614

REV LETTER: G

REV DATE: July 26, 2016

PAGE NO.: 1 OF 2

## **Specification Status: Released**

### **Maximum Electrical Rating**

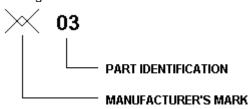
Voltage: 16V<sub>DC</sub>

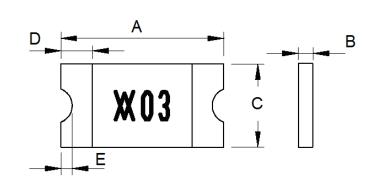
**Short Circuit Current: 20A** 

#### Notes:

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

### Marking:





#### **TABLE I. DIMENSIONS:**

mm: in:

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:**

TABLE III I EIG GIGINAGE INTINGG.											
	CUR	RENT	RATIN	GS**		TIME TO TRIP**	RESISTANCE VALUES		TRIPPED-STATE POWER DISSIPATION**		
AMPERES AT 0°C		AMPERES AT 25°C		AMPERES AT 60°C		SECONDS	OHMS AT 25°C		WATTS AT		
HOLD	-			HOLD		AT 25°C, 3.5A MAX	MIN	MAX*	25°C, 16V MAX		
0.44	0.90	0.35	0.75	0.24	0.58	0.1	0.45	1.35	0.6		

<sup>\*</sup>Maximum 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 2002/95/EC Compliant Directive 2000/53/EC Compliant



HF

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<sup>\*\*</sup> Values specified were determined using PCB's with 0.030"X1.5 ounce copper traces.

<sup>\*</sup> Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm



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