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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: nanoSMDC035F

DOCUMENT: SCD25614 REV LETTER: G

REV DATE: MAY 14, 2011

PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Electrical Rating

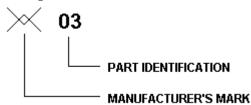
Voltage: 16V_{DC}

Short Circuit Current: 20A

Notes:

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

Marking:



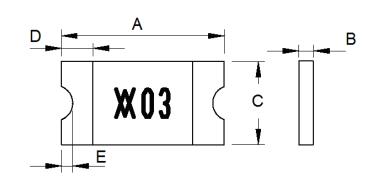


TABLE I. DIMENSIONS:

mm: in:

Α		В		С		D		Ε
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:

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	CUR	RENT	RATIN	GS**		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.

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







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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