

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: nanoASMDCH016F

DOCUMENT: SCD29474

REV LETTER: A

REV DATE: SEPTEMBER 19, 2019

PAGE NO.: 1 OF 2

Specification Status: Released

Maximum Electrical Rating

Voltage: 30V_{DC}

Short Circuit Current: 20A

Notes:

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

Marking

H16

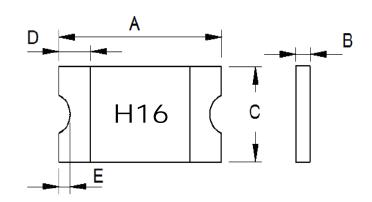


TABLE I. DIMENSIONS:

mm: in:

Α		В		С		D		Е
MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
3.00	3.40	0.61	0.89	1.37	1.80	0.25	0.75	0.076
(0.118)	(0.134)	(0.024)	(0.035)	(0.054)	(0.071)	(0.010)	(0.030)	(0.003)

TABLE II. PERFORMANCE RATINGS:

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	CUF	RENT F	RATIN	GS**		TIME TO RESISTANCI		TANCE	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, 8A	AT 25°C		25°C, 30V			
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX			
0.19	0.95	0.16	0.80	0.12	0.60	0.1	0.70	6.00	0.9			

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

Reference Document: 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

Directive 2002/95/EC Compliant **ELV Compliant**

Directive 2000/53/EC Compliant Pb-Free

Free Hal



HF

^{**} 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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