

# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: nanoASMDCH50F/24

DOCUMENT: SCD29488 REV LETTER: A

REV DATE: NOVEMBER 7, 2019

PAGE NO.: 1 OF 2

# **Specification Status: Released**

## **Maximum Electrical Rating**

Voltage: 24V<sub>DC</sub>

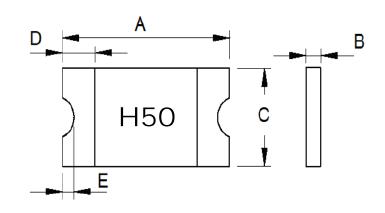
**Short Circuit Current: 20A** 

#### Notes:

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

### Marking

H50



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

mm: in:

Α		В		С		D		Е
MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
3.00	3.40	1.16	1.46	1.37	1.80	0.25	0.75	0.076
(0.118)	(0.134)	(0.046)	(0.057)	(0.054)	(0.071)	(0.010)	(0.030)	(0.003)

#### **TABLE II. PERFORMANCE RATINGS:**

	CUR	RENT	RATING	GS**		TIME TO TRIP**	RESISTANCE VALUES		TRIPPED-STATE POWER DISSIPATION**
AMPERES AT 0°C HOLD   TRIP		AMPERES AT 25°C HOLD TRIP		AMPERES AT 60°C HOLD TRIP		SECONDS AT 25°C, 8A MAX		IMS 25°C MAX*	WATTS AT 25°C, 24V MAX
0.58	2.90	0.50	2.50	0.39	1.95	0.1	0.20	1.60	1.7

<sup>\*</sup> 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** 

**ELV Compliant** 

Pb-Free

Halogen Free\*

HF

Directive 2000/53/EC Compliant

<sup>\*\*</sup> Values specified were determined using PCB's with 0.200"x 2.0 ounce copper traces.

Directive 2002/95/EC Compliant

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



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