

# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: nanoASMDCH035F

DOCUMENT: SCD29183

REV LETTER: A

REV DATE: SEPTEMBER 14, 2017

PAGE NO.: 1 OF 2

# **Specification Status: Released**

### **Maximum Electrical Rating**

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

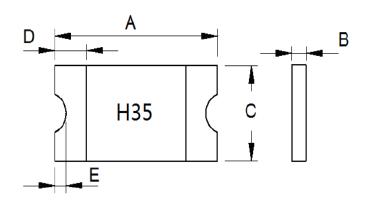
**Short Circuit Current: 50A** 

#### Notes:

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

#### Marking

## **H35 — PART IDENTIFICATION**



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

mm: in:

Α		В		С		D		Е
MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
3.00	3.40	0.91	1.14	1.37	1.80	0.25	0.75	0.076
(0.118)	(0.134)	(0.036)	(0.045)	(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 RESIST		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, 3.5A	AT 25°C		25°C, 16V		
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX		
0.43	1.22	0.35	0.95	0.26	0.71	0.2	0.20	1.60	1.0		

<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** 

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

Directive 2000/53/EC Compliant Pb-Free

Free Halogen Free\*

<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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