

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: nanoASMDCH035F

DOCUMENT: SCD29183

REV LETTER: A REV DATE: SEPTEMBER 14, 2017

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Specification Status: Released

Maximum Electrical Rating

Voltage: 16V_{DC}

Short Circuit Current: 50A

Notes:

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

Marking

H35 — PART IDENTIFICATION

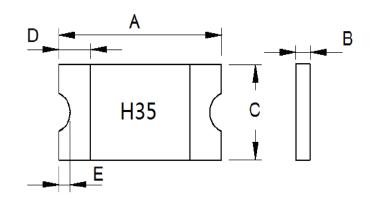


TABLE I. DIMENSIONS:

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:

	CUF	RENT F	RATIN	GS**		TIME TO TRIP**		TANCE UES	TRIPPED-STATE 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

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

PS300 Reference Document:

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

Halogen Free*



^{**} 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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