

## PolySwitch® PTC Devices

**Overcurrent Protection Device** 

## PRODUCT: nanoSMDCH010F

DOCUMENT: SCD27508 REV LETTER: C REV DATE: JULY 26, 2016 PAGE NO.: 1 OF 2

# **Specification Status: Released**

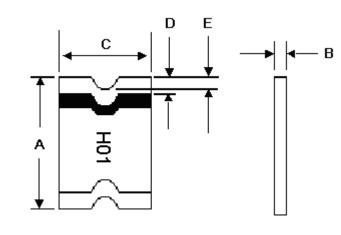
#### Maximum Electrical Rating Voltage: 30V<sub>DC</sub> Short Circuit Current: 10A

#### Notes:

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

#### Marking:

H01 — PART IDENTIFICATION



#### TABLE I. DIMENSIONS:

	A		В		С		D		Е
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	3.00	3.40	0.30	0.70	1.37	1.80	0.25	0.75	0.076
in:	(0.118)	(0.134)	(0.012)	(0.028)	(0.054)	(0.071)	(0.010)	(0.030)	(0.003)

#### TABLE II. PERFORMANCE RATINGS:

CURRENT RATINGS**						TIME TO TRIP**	RESISTANCE VALUES		TRIPPED-STATE POWER DISSIPATION**	
AMPS AT 0°C HOLD   TRIP		AMPS AT 25°C HOLD TRIP		AMPS AT 85°C HOLD   TRIP		SECONDS AT 25°C, 1A MAX	OHMS AT 25°C MIN   MAX*		WATTS AT 25°C, 30V MAX	
0.15	0.52	0.10	0.35	0.06	0.21	0.1	1.10	10.00	0.8	

\* Maximum resistance is measured 1 hour after reflow.

\*\* Values specified were determined using PCB's with 0.030"X1.5-ounce copper traces.

Agency Recognition:	None
Reference Documents:	P\$300
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.
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## Materials Information





Halogen Free\*

HF



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