

Specification Status: Released

Maximum Electrical Rating

 Voltage: 30V_{DC}

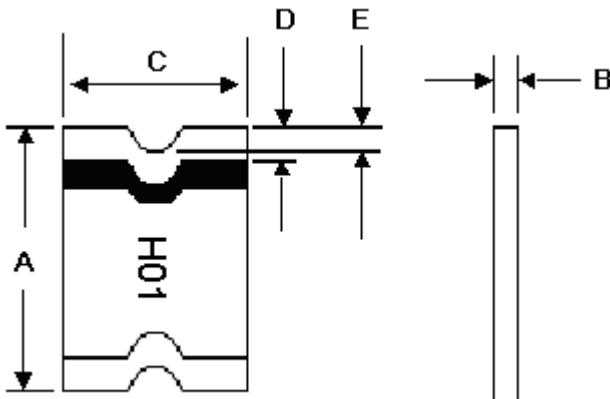
Short Circuit Current: 10A

Notes:

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

Marking:

HO1 — PART IDENTIFICATION


TABLE I. DIMENSIONS:

mm:	A		B		C		D		E	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
3.00	3.40	0.30	0.70	1.37	1.80	0.25	0.75	0.076		
(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		AMPS AT 25°C HOLD		AMPS AT 85°C HOLD		SECONDS AT 25°C, 1A MAX	OHMS AT 25°C MIN	OHMS AT 25°C 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: 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

Halogen Free*


* Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm



PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: nanoSMDCH010F

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

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