

Specification Status: Released

Maximum Electrical Rating

Voltage: 24V_{DC}
Short Circuit Current: 10A

Notes:

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

Marking

H03 — PART IDENTIFICATION

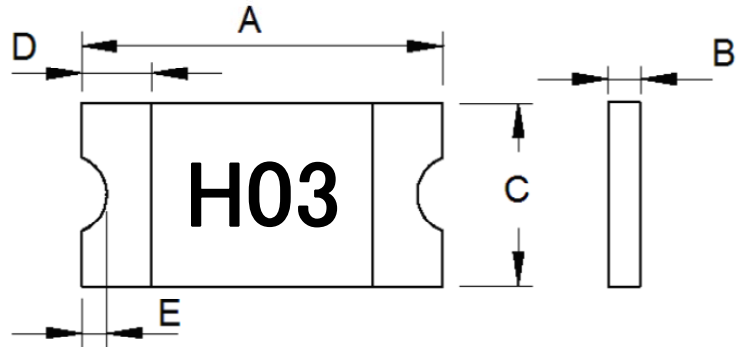


TABLE I. DIMENSIONS:

	A		B		C		D		E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	3.00	3.40	0.85	1.25	1.40	1.80	0.25	0.75	0.076
in:	(0.118)	(0.134)	(0.033)	(0.049)	(0.055)	(0.071)	(0.010)	(0.030)	(0.003)

TABLE II. PERFORMANCE RATINGS:

CURRENT RATINGS**								TIME TO TRIP**	RESISTANCE VALUES	TRIPPED-STATE POWER DISSIPATION**	
AMPERES AT 0°C		AMPERES AT 25°C		AMPERES AT 85°C		AMPERES AT 125°C		SECONDS AT 25°C, 8.0A MAX	OHMS AT 25°C	WATTS AT 25°C, 24V MAX	
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX*	
0.35	0.95	0.30	0.82	0.13	0.53	0.05	0.28	0.10	0.50	1.95	1.00

* Maximum resistance is measured 1 hour after reflow.

** Values specified were determined using PCB's with 0.030"x1.0 ounce copper traces.

Agency Recognition: UL
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



Halogen Free*



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



PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: nanoSMDCH030F/24

DOCUMENT: SCD29274
REV LETTER: A
REV DATE: JANUARY 22, 2018
PAGE NO.: 2 OF 2

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