

Specification Status: Released

Maximum Electrical Rating

Voltage: 48V_{DC}
Short Circuit Current: 10A

Notes:

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

Marking:

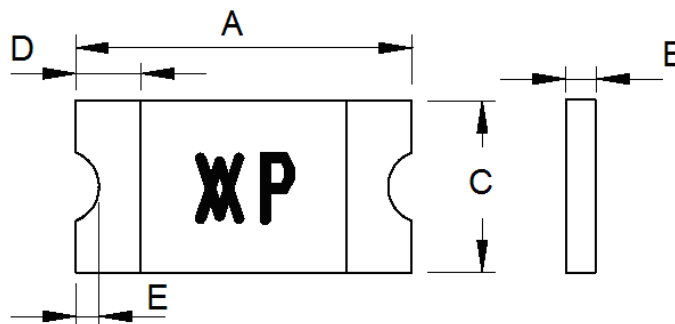
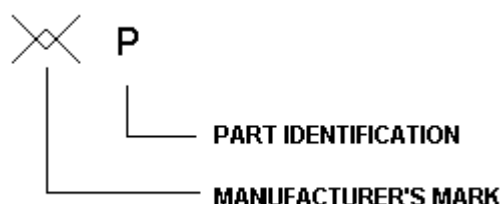


TABLE I. DIMENSIONS:

A		B		C		D		E
MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
3.00	3.40	0.62	1.00	1.37	1.80	0.25	0.75	0.076
(0.118)	(0.134)	(0.024)	(0.039)	(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**
AMPERES AT 0°C		AMPERES AT 25°C		AMPERES AT 60°C		SECONDS AT 25°C, 1.0A MAX	OHMS AT 25°C		WATTS AT 25°C, 48V MAX
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX*	
0.15	0.60	0.12	0.39	0.09	0.27	0.2	1.4	6.5	0.5

* Resistance is measured 1 hour after reflow.

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

Reference Documents: PS300, PS400

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

ELV Compliant

Pb-Free

Halogen Free*

Directive 2002/95/EC
Compliant

Directive 2000/53/EC
Compliant



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



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PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: nanoASMD012F

DOCUMENT: SCD27838
REV LETTER: B
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

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