



**THE DATASHEET OF  
NANOASMDC012F-2**



**Specification Status: Released**

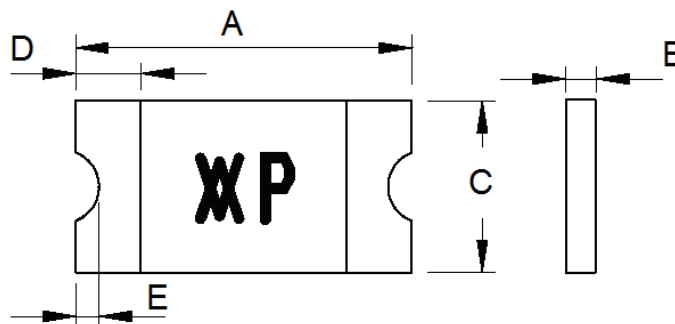
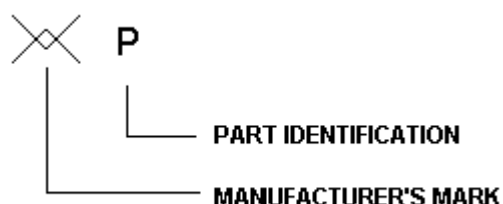
**Maximum Electrical Rating**

**Voltage: 48V<sub>DC</sub>**  
**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
mm:	3.00	3.40	0.62	1.00	1.37	1.80	0.25	0.75	0.076
in:	(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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