

# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: PICOASMDC012S

DOCUMENT: SCD29086

REV LETTER: A

REV DATE: SEPTEMBER 26, 2016

PAGE NO.: 1 OF 2

# **Specification Status: Released**

## **Maximum Electrical Rating**

Voltage: 15.0V<sub>DC</sub>

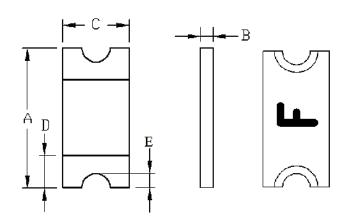
**Short Circuit Current: 20A** 

#### Notes:

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

# Marking:

F



MIN

0.076

(0.003)

### **TABLE I. DIMENSIONS:**

	MIN	MAX	MIN	MAX	MIN
mm:	2.00	2.20	0.44	0.68	1.30
in:	(0.079)	(0.087)	(0.017)	(0.027)	(0.051

#### **TABLE II. PERFORMANCE RATINGS:**

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CURRENT RATINGS**						TIME TO TRIP**	RESISTANCE VALUES		TRIPPED-STATE POWER					
						DISSIPATION**								
AMPE	AMPERES AMPERES		AMPERES		SECONDS	OHMS		WATTS AT						
AT	AT 0°C		AT 25°C		0°C	AT 25°C, 1.0A	AT 25°C		25°C, 15.0V					
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX					
0.15	0.36	0.12	0.30	0.08	0.21	0.1	1.50	9.00	0.5					

<sup>\*</sup> Maximum resistance is measured 1 hour after reflow.

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.

MAX

1.50

(0.059)

MIN

0.25

(0.010)

MAX

0.75

(0.030)

### **Materials Information**

**ROHS Compliant** 

Directive 2002/95/EC Compliant **ELV Compliant** 

Directive 2000/53/EC Compliant Pb-Free

ree

Halogen Free\*



<sup>\*\*</sup> Values specified were determined using PCB's with 0.020"x1.5 ounce copper traces.

<sup>\*</sup> Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm.



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