

## PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: microASMD010F

DOCUMENT: SCD27843 REV LETTER: B

REV DATE: JULY 26, 2016

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### **Specification Status: Released**

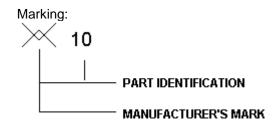
#### **Maximum Electrical Rating**

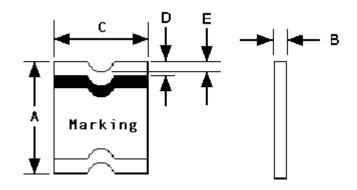
Voltage: 30V<sub>DC</sub>

**Short Circuit Current: 10A** 

#### Notes:

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





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

	Α		В		С		D		E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	3.00	3.43	0.50	0.85	2.35	2.80	0.25	0.75	0.076
in:	(0.118)	(0.135)	(0.019)	(0.034)	(0.092)	(0.110)	(0.010)	(0.030)	(0.003)

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

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CURRENT RATINGS**							TIME TO	RESISTANCE		TRIPPED-STATE	
							TRIP**	VALUES		POWER	
								DISSIPATION**			
	AMPS		AMPS		AMPS		SECONDS	OHMS		WATTS AT	
	AT 0°C		AT 20°C		AT 60°C		AT 20°C, 0.50A	AT 20°C		20°C, 30V	
	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX	
	0.12	0.30	0.10	0.25	0.06	0.15	1.0	2.1	15.0	0.8	

<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.

#### **Materials Information**

**ROHS Compliant** 

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

Directive 2000/53/EC Compliant

Pb-Free

Halogen Free\*





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<sup>\*\*</sup> Values specified were determined using PCB's with 0.030"X1.5 ounce copper traces.

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



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