

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: microASMD010F

DOCUMENT: SCD27843 REV LETTER: B

REV DATE: JULY 26, 2016

PAGE NO.: 1 OF 2

Specification Status: Released

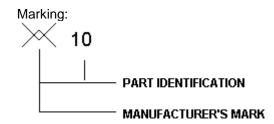
Maximum Electrical Rating

Voltage: 30V_{DC}

Short Circuit Current: 10A

Notes:

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



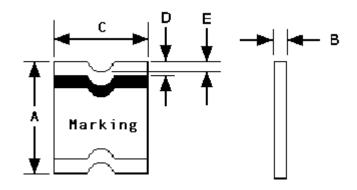


TABLE I. DIMENSIONS:

	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 RESI		STANCE	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	

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

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



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