

# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: miniSMDC010F

DOCUMENT: SCD27761 REV LETTER: C

REV DATE: JULY 26, 2016

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## **Specification Status: Released**

### **Maximum Electrical Rating**

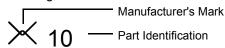
Voltage: 60VDC

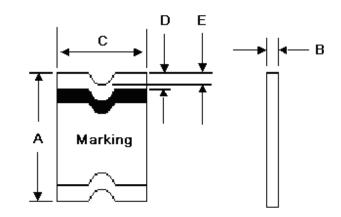
**Short Circuit Current: 40A** 

#### Notes:

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

#### Marking:





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

mm:	
in:	

Α		В		С			Е	
MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
4.37	4.73	0.635	0.890	3.07	3.41	0.25	0.95	0.20
(0.172)	(0.186)	(0.025)	(0.035)	(0.121)	(0.134)	(0.010)	(0.040)	(0.008)

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

CURRENT RATINGS**					TIME TO	RESISTANCE		TRIPPED-STATE	
				TRIP**	VALUES		POWER		
						DISSIPATION**			
AMPERES	RES AMPERES AMPERES SECONDS OHMS		WATTS AT						
AT 0°C	AT 2	AT 25°C AT 60°C		AT 25°C, 0.5A	AT 25°C		25°C, 60V		
HOLD TRIF	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX	
0.125 0.40	0.100	0.300	0.065	0.212	5.0	0.70	12.70	0.75	

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

Agency Recognition: UL, CSA, TÜV Reference Document: PS300

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

Pa

Halogen Free\*



<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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