

# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: femtoSMDC005F

DOCUMENT: SCD27917 REV LETTER: B

**REV DATE: JULY 26, 2016** 

PAGE NO.: 1 OF 2

# **Specification Status: Released**

## **Maximum Electrical Rating**

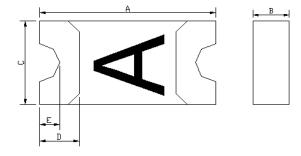
Voltage: 15.0V<sub>DC</sub>

**Short Circuit Current: 40A** 

#### Notes:

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

Marking: A



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

mm:	
in:	

Α		E	3	(	)		E	
MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1.40	1.80	0.45	0.85	0.60	1.00	0.10	0.50	0.075
(0.055)	(0.071)	(0.017)	(0.033)	(0.023)	(0.039)	(0.004)	(0.020)	(0.003)

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

CURRENT RATINGS**								TIME TO TRIP**	RESISTANCE VALUES		TRIPPED-STATE POWER
											DISSIPATION**
AMPE	AMPERES AMP		RES	AMPERES		AMPERES		SECONDS	OHMS		WATTS AT
AT 0°C		AT 25°C		AT 60°C		AT 85°C		AT 25°C, 0.5A	AT 25°C		25°C, 15.0V
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX
0.06	0.18	0.05	0.15	0.03	0.09	0.02	0.06	0.1	3.80	30.00	0.5

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

Agency Recognitions: UL, CSA Reference Documents: 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** 

**ELV Compliant** 

Pb-Free

Halogen Free\*

Directive 2002/95/EC Compliant Directive 2000/53/EC Compliant



HF

<sup>\*\*</sup> Values specified were determined using PCB's with 0.030"x1.0 ounce copper traces.

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



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