

# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: femtoSMDC012F

DOCUMENT: SCD27925 REV LETTER: C

**REV DATE: JULY 26, 2016** 

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# **Specification Status: Released**

## **Maximum Electrical Rating**

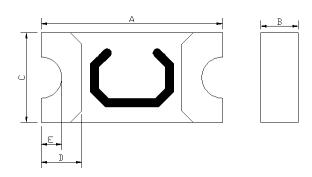
Voltage: 9.0V<sub>DC</sub>

**Short Circuit Current: 40A** 

#### Notes:

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

Marking: C



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

mm: in:

Α		В		С		D		Е
MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1.40	1.80	0.35	0.75	0.60	1.00	0.10	0.50	0.075
(0.055)	(0.071)	(0.013)	(0.030)	(0.023)	(0.039)	(0.004)	(0.020)	(0.003)

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

TABLE III. I ERI ORIMANOE RATINOO.											
CURRENT RATINGS**								TIME TO TRIP**	RESISTANCE VALUES		TRIPPED-STATE POWER
										DISSIPATION**	
AMPE	AMPERES AMPERES AMPERES		AMPERES		SECONDS	OHMS		WATTS AT			
AT 0°C		AT 2	AT 25°C		AT 60°C		35°C	AT 25°C, 0.8A	AT 25°C		25°C, 9.0V
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX
0.14	0.35	0.12	0.30	0.08	0.20	0.06	0.15	0.1	1.10	5.80	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 EL

**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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