

**Specification Status: Released**

**Maximum Electrical Rating**

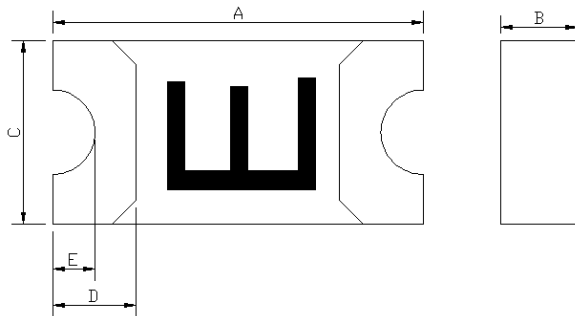
**Voltage: 9.0V<sub>DC</sub>**

**Short Circuit Current: 40A**

**Notes:**

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

Marking: E



**TABLE I. DIMENSIONS:**

	A		B		C		D		E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	1.40	1.80	0.35	0.75	0.60	1.00	0.10	0.50	0.075
in:	(0.055)	(0.071)	(0.013)	(0.030)	(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**	
AMPERES AT 0°C		AMPERES AT 25°C		AMPERES AT 60°C		AMPERES AT 85°C		SECONDS AT 25°C, 1.0A MAX	OHMS AT 25°C	WATTS AT 25°C, 9.0V MAX	
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX*	
0.18	0.45	0.16	0.40	0.11	0.28	0.07	0.17	0.1	1.00	4.20	0.5

\* Maximum resistance is measured 1 hour after reflow.

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

Agency Recognition: UL, CSA

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**



**Halogen Free\***



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



**PolySwitch®**  
**PTC Devices**  
**Overcurrent Protection Device**

**PRODUCT: femtoSMDC016F**

DOCUMENT: SCD27724  
REV LETTER: B  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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