

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: femtoSMDC016F

DOCUMENT: SCD27724

REV LETTER: B

REV DATE: JULY 26, 2016

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Specification Status: Released

Maximum Electrical Rating

Voltage: 9.0V_{DC}

Short Circuit Current: 40A

Notes:

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

Marking: E

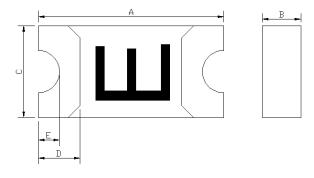


TABLE I. DIMENSIONS:

mm: in:

Α		E	3	()		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:

CURRENT RATINGS**								TIME TO	O RESISTANCE		TRIPPED-STATE	
						TRIP**	VALUES		POWER			
									DISSIPATION**			
AMPERE	ES	AMPE	AMPERES AMPE		RES	RES AMPERES		SECONDS	OHMS		WATTS AT	
AT 0°C		AT 25°C		AT 60°C		AT 85°C		AT 25°C, 1.0A	AT 25°C		25°C, 9.0V	
HOLD TF	RIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	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.

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*



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

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



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