

Specification Status: Released

Maximum Electrical Rating

Voltage: 12.0V_{DC}

Short Circuit Current: 40A

Notes:

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

Marking: B

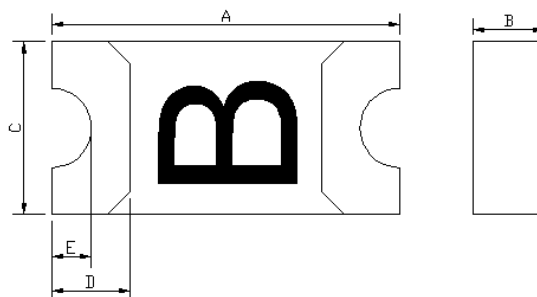


TABLE I. DIMENSIONS:

	A		B		C		D		E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	1.40	1.80	0.45	0.85	0.60	1.00	0.10	0.50	0.075
in:	(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**
AMPERES AT 0°C	AMPERES AT 25°C	AMPERES AT 60°C	AMPERES AT 85°C	AMPERES AT 0°C	AMPERES AT 25°C	AMPERES AT 60°C	AMPERES AT 85°C	SECONDS AT 25°C, 0.7A MAX	OHMS AT 25°C	WATTS AT 25°C, 12.0V MAX
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX*
0.12	0.30	0.10	0.25	0.07	0.18	0.04	0.10	0.1	1.70	8.00
										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, 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



Halogen Free*



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



PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: femtoSMDC010F

DOCUMENT: SCD27919
REV LETTER: C
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

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