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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: femtoSMDC010F/15

DOCUMENT: SCD28950
REV LETTER: A
REV DATE: JULY 26, 2016

Specification Status: Released

Maximum Electrical Rating

Voltage: 15V_{DC}
Short Circuit Current: 40A

Notes:
1. All terminations are tin plated.
2. Drawing not to scale

Marking:
B

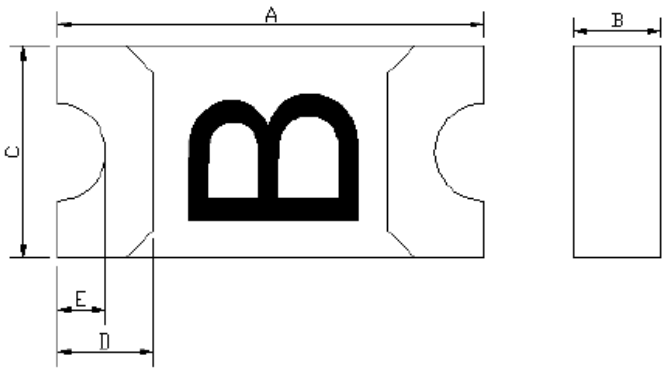


TABLE I. DIMENSIONS:

	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		SECONDS AT 25°C, 0.7A	OHMS AT 25°C		WATTS AT 25°C, 15V
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX
0.12	0.36	0.10	0.30	0.07	0.21	0.10	2.0	14.0	0.5

* Maximum resistance is measured 1 hour after reflow.
** Values Specified were determined using PCB's with 0.040"X2.0 ounce copper traces.

Agency Recognition:	UL
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*
HF

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

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Specifications are subject to change without notice.
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