

PolySwitch® **PTC Devices**

Overcurrent Protection Device

PRODUCT: SMDC030F

DOCUMENT: SCD28982 **REV LETTER: A**

REV DATE: JULY 26, 2016

PAGE NO.: 1 OF 2

Specification Status: Released

Maximum Electrical Rating

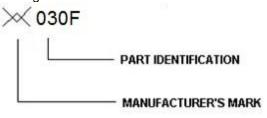
Voltage: 60V_{DC}

Short Circuit Current: 10A

Notes:

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

Marking:



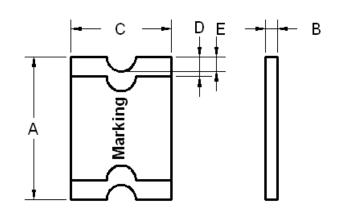


TABLE I. DIMENSIONS:

	Α		В		С		D		Е
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	7.30	7.70	0.63	0.90	4.90	5.30	0.25	0.95	0.20
in:	(0.287)	(0.303)	(0.025)	(0.035)	(0.193)	(0.209)	(0.010)	(0.037)	(0.008)

TABLE II. PERFORMANCE RATINGS:

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CURRENT RATINGS**								TANCE	TRIPPED-STATE	
						TRIP**	VALUES		POWER	
									DISSIPATION**	
AMPERES		AMPERES		AMPERES		SECONDS	OHMS		WATTS AT	
AT 0°C		AT 25°C		AT 60°C		AT 25°C, 1.5A	AT 25°C		25°C, 60V	
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX	
0.37	0.76	0.30	0.60	0.19	0.38	3.0	0.30	3.40	1.5	

^{*} Maximum resistance is measured 1 hour after reflow.

Reference Document:

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

Compliant

ROHS Compliant ELV Compliant

Directive 2002/95/EC

Directive 2000/53/EC Compliant

Pb-Free

Halogen Free*



^{**} Values Specified were determined using PCB's with 0.070"X1.5 ounce copper traces.

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



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