

308 Constitution Drive Menlo Park, CA USA www.circuitprotection.com

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: miniSMDC010F

DOCUMENT: SCD27761 REV LETTER: C REV DATE: JULY 21, 2011

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Specification Status: Released

Maximum Electrical Rating

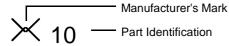
Voltage: 60V_{DC}

Short Circuit Current: 40A

Notes:

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

Marking:



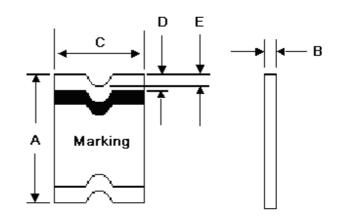


TABLE I. DIMENSIONS:

	A		В		С		D		Е	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	
mm:	4.37	4.73	0.635	0.890	3.07	3.41	0.25	0.95	0.20	
in:	(0.172)	(0.186)	(0.025)	(0.035)	(0.121)	(0.134)	(0.010)	(0.040)	(0.008)	

TABLE II. PERFORMANCE RATINGS:

CURRENT RATINGS**						TIME TO	RESIS	TANCE	TRIPPED-STATE
						TRIP**	VALUES		POWER
									DISSIPATION**
AMPE	AMPERES		AMPERES		RES	SECONDS	OHMS		WATTS AT
AT 0℃		AT 25℃		AT 60℃		AT 25℃, 0.5A	AT 25℃		25℃, 60V
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX
0.125	0.405	0.100	0.300	0.065	0.212	5.0	0.70	12.70	0.75

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

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*



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^{**} Values Specified were determined using PCB's with 0.030"X1.5 ounce copper traces.

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