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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: miniSMDC014F

DOCUMENT: SCD 25113

REV LETTER: H

REV DATE: JULY 24, 2008

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Raychem Circuit Protection Products

Specification Status: RELEASED

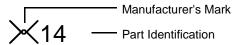
Maximum Electrical Rating

Voltage: 60V_{DC} **Current: 10A**

Notes:

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

Marking:



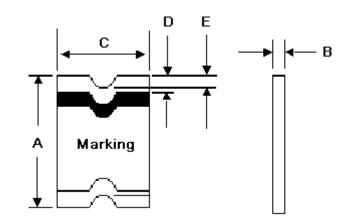


TABLE I. DIMENSIONS:

	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)	(800.0)

TABLE II. PERFORMANCE RATINGS:

CURRENT RATINGS**						TIME TO TRIP**	RESISTANCE VALUES		TRIPPED-STATE POWER DISSIPATION**	
AMPE AT (HOLD)°C	AMPE AT 2 HOLD	0°C	AMPE AT 6 HOLD	0°C	SECONDS AT 20°C, 8A MAX		MS 20°C MAX*	WATTS AT 20°C, 60V MAX	
0.17	0.34	0.14	0.28	0.09	0.18	0.008	1.50	6.00	0.75	

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

Agency Recognition: UL, CSA, TÜV. Reference Documents: PS300, E. N. SMD1.0x

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.