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PTC Devices
Overcurrent Protection Device

Raychem Circuit Protection Products

**PolySwitch®** 

PRODUCT: miniSMDC014F

DOCUMENT: SCD 25113

REV LETTER: I

REV DATE: MARCH 3, 2009

PAGE NO.: 1 OF 1

**Specification Status: Released** 

# **Maximum Electrical Rating**

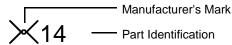
Voltage: 60V<sub>DC</sub>

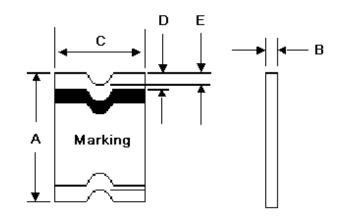
**Short Circuit Current: 10A** 

#### 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:	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:**

	CUF	RENT F	RATIN	GS**		TIME TO	RESISTANCE		TRIPPED-STATE
						TRIP**	VALUES		POWER
				-					DISSIPATION**
AMPERES		AMPERES		AMPERES		SECONDS	OHMS		WATTS AT
AT 0°C		AT 20°C		AT 60°C		AT 20°C, 8A	AT 20°C		20°C, 60V
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX
0.17	0.34	0.14	0.28	0.09	0.18	0.008	1.50	6.00	0.75

<sup>\*</sup> Maximum resistance is measured 1 hour after reflow.

Agency Recognition: UL, CSA, TÜV. Reference Documents: 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

Pk

Halogen Free\*

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

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<sup>\*\*</sup> Values Specified were determined using PCB's with 0.030"X1.5 ounce copper traces.