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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: miniSMDC125F

DOCUMENT: SCD 25295 REV LETTER: F

REV DATE: MARCH 5, 2009

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Raychem Circuit Protection Products

Specification Status: Released

Maximum Electrical Rating

Voltage: 6V_{DC}

Short Circuit Current: 100A

Notes:

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

Marking:

Manufacturer's Mark

Part Identification

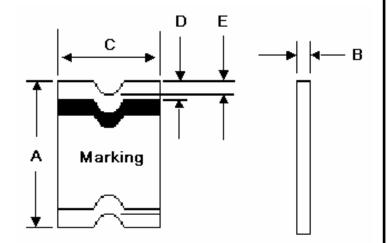


TABLE I. DIMENSIONS:

	Α		В		С		D		Е
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	4.37	4.73	0.28	0.48	3.07	3.41	0.25	0.95	0.20
in:	(0.172)	(0.186)	(0.011)	(0.019)	(0.121)	(0.134)	(0.010)	(0.040)	(0.008)

TABLE II. PERFORMANCE RATINGS:

	CURRENT RATINGS **						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, 6V		
	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX		
l	1.47	2.94	1.25	2.50	0.90	1.80	0.4	0.050	0.140	0.8		

^{*} 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



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