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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: microSMD010F DOCUMENT: SCD 25264 REV LETTER: F REV DATE: JULY 24, 2008 PAGE NO.: 1 OF 1

В

Raychem Circuit Protection Products

Specification Status: Released

C

Marking

Maximum Electrical Rating

Voltage: 30V_{DC}

Current: 10A

Notes:

1. All terminations are tin plated.

2. Drawing not to scale

Marking:



PART IDENTIFICATION

MANUFACTURER'S MARK

TABLE I. DIMENSIONS:

	А		В		С		D		Е
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	3.00	3.43	0.50	0.85	2.35	2.80	0.25	0.75	0.076
in:	(0.118)	(0.135)	(0.019)	(0.034)	(0.092)	(0.110)	(0.010)	(0.030)	(0.003)

TABLE II. PERFORMANCE RATINGS:

CURRENT RATINGS**						TIME TO TRIP**	RESISTANCE VALUES		TRIPPED-STATE POWER	
	AMPS AMPS AMPS					SECONDS	OHMS		DISSIPATION** WATTS AT	
AT 0°C		AT 20°C		AT 60°C		AT 20°C, 0.50A	AT 20°C		20°C, 30V	
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MÁX	
0.12	0.30	0.10	0.25	0.06	0.15	1.0	2.1	15.0	0.8	

* Maximum resistance is measured 1 hour after reflow.

** Values specified were determined using PCB's with 0.030"X1.5 ounce copper traces.

Agency Recognition:UL, CSA, TÜVReference Documents:PS300, E. N. SMD1.0xPrecedence: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







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

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