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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: miniSMDC014F

DOCUMENT: SCD25113 REV LETTER: J REV DATE: MAY 13, 2011 PAGE NO.: 1 OF 1

Specification Status: Released Maximum Electrical Rating Voltage: 60V_{DC} **Short Circuit Current: 10A** D Ε С – B Notes: 1. All terminations are tin plated. 2. Drawing not to scale Marking: Manufacturer's Mark А Marking Part Identification

TABLE I. DIMENSIONS:

	А		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			
						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

* 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, 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



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

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