

308 Constitution Drive Menlo Park, CA USA www.circuitprotection.com

PolySwitch® **PTC Devices**

Overcurrent Protection Device

PRODUCT: miniSMDC110F/16

DOCUMENT: SCD25306 REV LETTER: K **REV DATE: MAY 4, 2011**

PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Electrical Rating

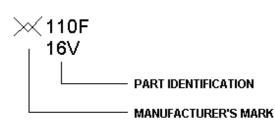
Voltage: 16V_{DC}

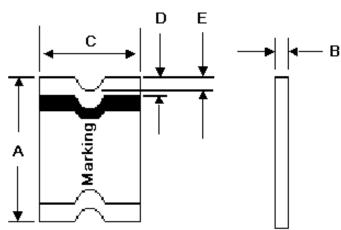
Short Circuit Current: 100A

Notes:

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

Marking:





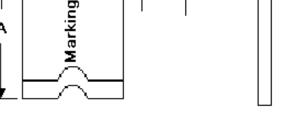


TABLE I. DIMENSIONS:

	Α		В		С		D		E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	4.37	4.83	0.28	0.48	3.07	3.41	0.25	0.95	0.20
in:	(0.172)	(0.190)	(0.011)	(0.019)	(0.121)	(0.134)	(0.010)	(0.040)	(0.008)

TABLE IL PERFORMANCE RATINGS:

TABLE II. I ERI ORMANCE RATINGS.											
CURRENT RATINGS**						TIME TO	RESISTANCE		TRIPPED-STATE		
						TRIP**	VALUES		POWER		
								DISSIPATION**			
AMPERES		AMPERES		AMPERES		SECONDS	OHMS		WATTS AT		
AT 0℃		AT 20℃		AT 60℃		AT 20℃, 8.0A	AT 20℃		20℃, 16V		
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX		
1.3	2.5	1.1	2.2	0.75	1.4	0.3	0.06	0.18	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.

UL, CSA, TÜV Agency Recognitions: 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



Halogen Free*



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