

PolySwitch® **PTC Devices**

Overcurrent Protection Device

PRODUCT: miniSMDC110F/24

DOCUMENT: SCD25813

REV LETTER: K

REV DATE: JULY 26, 2016 PAGE NO.: 1 OF 2

Specification Status: Released

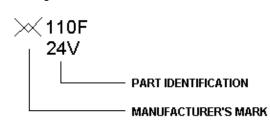
Maximum Electrical Rating

Voltage: 24V_{DC}

Short Circuit Current: 20A

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

Marking:



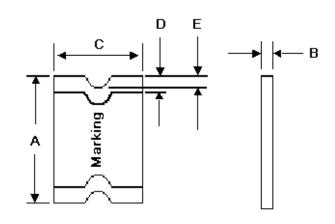


TABLE I. DIMENSIONS:

	Α		В		С		D		Е
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	4.37	4.83	0.81	1.46	3.07	3.41	0.25	0.95	0.20
in:	(0.172)	(0.190)	(0.032)	(0.057)	(0.121)	(0.134)	(0.010)	(0.040)	(800.0)

TABLE II. PERFORMANCE RATINGS:

CURRENT RATINGS**						TIME TO TRIP**	RESISTANCE VALUES		TRIPPED-STATE POWER
									DISSIPATION**
AMPERES		AMPERES		AMPERES		SECONDS	OHMS		WATTS AT
AT 0°C		AT 20°C		AT 60°C		AT 20°C, 8.0A	AT 20°C		20°C, 24V
HOLD 1	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX
1.4	2.8	1.1	2.2	0.8	1.6	0.5	0.060	0.180	0.8

^{*} Maximum resistance is measured 1 hour after reflow.

Agency Recognition: UL, CSA, TÜV Reference Document: 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

ELV Compliant

Directive 2000/53/EC

Halogen Free*



^{**} 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.



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