

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

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: miniSMDC150F/16

DOCUMENT: SCD27374 REV LETTER: D

REV DATE: MAY 18, 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:



PART IDENTIFICATION

MANUFACTURER'S MARK

TABLE I. DIMENSIONS:

	Α		В		С		D		OE L
	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)	(800.0)

TABLE II. PERFORMANCE RATINGS:

	CUR	RENT	RATIN	IGS**		TIME TO	RESIS [®]	TANCE	TRIPPED-STATE	
						TRIP**	VALUES		POWER	
			CF	51 A					DISSIPATION**	
AMP	ERES	AMPE	RES	AMPE	RES	SECONDS	OHMS		WATTS AT	
AT 0°C		AT 20°C		AT 60°C		AT 20°C, 8A	AT 20°C		20°C, 16V	
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX	
1.8	3.3	1.5	2.8	1.0	1.8	0.5	0.040	0.110	0.8	

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

Agency Recognitions: 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

ELV Compliant

3/EC

Pb-Free

Halogen Free*



Directive 2000/53/EC Compliant

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

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^{**} Values Specified were determined using PCB's with 0.030"X1.5 ounce copper traces.

Directive 2002/95/EC Compliant