

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: SMD100F-2018

DOCUMENT: SCD25561 REV LETTER: H

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

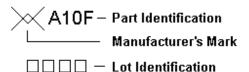
Specification Status: Released

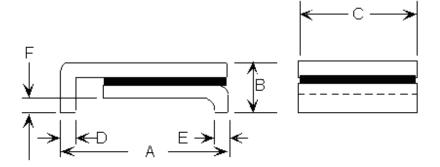
Maximum Electrical Ratings

Operating Voltage / Interrupt Current

15V_{DC} / 40A 12V_{DC} / 60A 5V_{DC} / 125A

Marking:





Notes:

- 1. All metal surfaces are tin plated.
- 2. Devices cannot be wave soldered.
- Drawing not to scale.

TABLE I. DIMENSIONS:

_												
	Α		В		С		D		E		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	4.72	5.44		1.52	4.22	4.93	0.25	0.36	0.25	0.36	0.30	0.46
in*:	(0.186)	(0.214)		(0.060)	(0.166)	(0.194)	(0.010)	(0.014)	(0.010)	(0.014)	(0.012)	(0.018)

TABLE II. PERFORMANCE RATINGS:

TABLE III I EIG GIGINATOL TATTITOG.												
	CU	RRENT	RATING	S**		TIME TO			TRIPPED-STATE			
						TRIP**	VALUES		POWER			
									DISSIPATION**			
AM	AMPS		PS	AMPS		SECONDS AT	OHMS		WATTS AT			
AT 0°C		AT 2	20°C	AT 60°C		20°C, 8.0A	AT 20°C		20°C			
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX			
1.20	2.40	1.10	2.20	0.72	1.45	0.5	0.100	0.400	1.4			

^{*} 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 Compliant **ELV Compliant**

Directive 2000/53/EC Compliant Pb-Free

Halogen Free*



^{**} Values specified were determined using PCB's with 0.070"x1.5 ounce copper traces

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



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