

## Specification Status: Released

### Maximum Electrical Ratings

Operating Voltage / Interrupt Current

 30V<sub>DC</sub> / 40A

 12V<sub>DC</sub> / 60A

 5V<sub>DC</sub> / 125A

Marking:



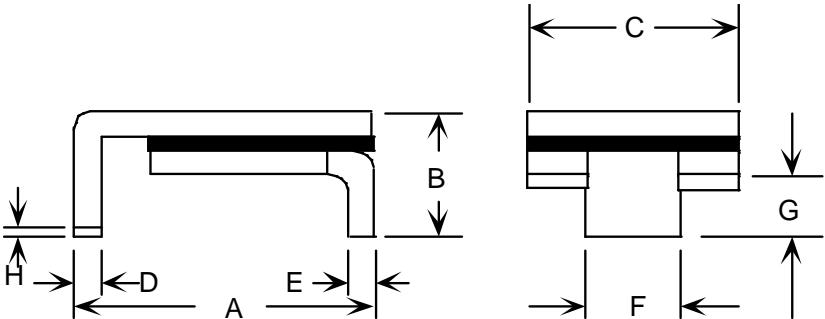
□□□□ — Lot Identification

Notes:

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

**TABLE I. DIMENSIONS:**

mm:	A		B		C		D		E		F		G		H
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	6.73	7.98	--	3.00	4.8	5.44	0.56	0.71	0.56	0.71	2.16	2.41	0.66	1.37	0.43
in*:	(0.265)	(0.314)	--	(0.118)	(0.19)	(0.214)	(0.022)	(0.028)	(0.022)	(0.028)	(0.085)	(0.095)	(0.026)	(0.054)	(0.017)


**TABLE II. PERFORMANCE RATINGS:**

CURRENT RATINGS**						TIME TO TRIP**	RESISTANCE VALUES		TRIPPED-STATE POWER DISSIPATION**	
AMPS AT 0°C HOLD		AMPS AT 20°C HOLD		AMPS AT 60°C HOLD			SECONDS AT 20°C, 8.0A MAX	OHMS AT 20°C MIN	MAX*	
1.20	2.40	1.10	2.20	0.72	1.45	0.5	0.12	0.48	1.7	WATTS AT 20°C MAX

\* Maximum resistance is measured 1 hour after reflow.

\*\* Values specified were determined using PCB's with 0.070"X1.5-ounce copper traces.

Agency Recognition:

UL, CSA and 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

Pb-Free

Halogen Free\*

Directive 2002/95/EC Compliant

Directive 2000/53/EC Compliant



\*

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



**PolySwitch®**  
**PTC Devices**  
**Overcurrent Protection Device**

**PRODUCT: SMD100F**

DOCUMENT: SCD25657  
REV LETTER: F  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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