

**Specification Status: Released**

**Maximum Electrical Ratings**



Operating Voltage / Interrupt Current

**33V<sub>DC</sub> / 40A**

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

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

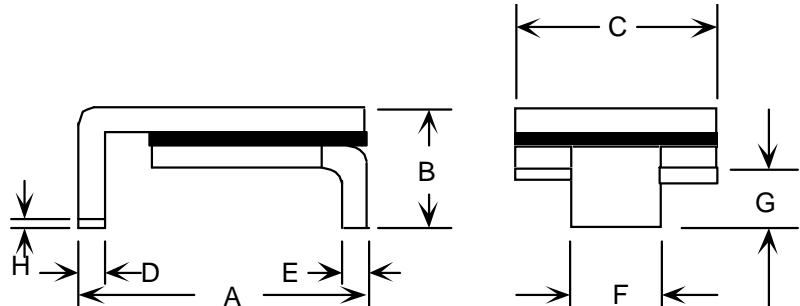
Marking:

 **103F** – Part Identification  
 **Manufacturer's Mark**

 – Lot Identification

Notes:

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



**TABLE I. DIMENSIONS:**

A		B		C		D		E		F		G		H	
MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	
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		AMPS AT 20°C		AMPS AT 60°C		SECONDS AT 20°C, 8.0A	OHMS AT 20°C		WATTS AT 20°C
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX
1.20	2.40	1.10	2.20	0.83	1.65	0.5	0.12	0.410	1.7

\* 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, 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**

Directive 2002/95/EC  
Compliant

**ELV Compliant**

Directive 2000/53/EC  
Compliant

**Pb-Free**



**Halogen Free\***



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



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

**PRODUCT: SMD100F/33**

DOCUMENT: SCD25369  
REV LETTER: H  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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