

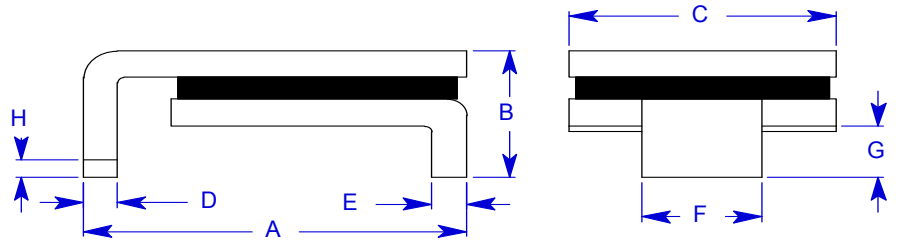
**Specification Status: Released**

**Maximum Electrical Rating**

**Operating Voltage: 16V<sub>DC</sub>**  
**Interrupt Current: 40A**

**Marking:**

- 185A** - 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
mm:	8.0	9.4	--	3.0	5.99	6.71	0.56	0.71	0.56	0.71	3.68	3.94	0.66	1.37	0.43
in*:	(0.315)	(0.370)	--	(0.118)	(0.236)	(0.264)	(0.022)	(0.028)	(0.022)	(0.028)	(0.145)	(0.155)	(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 25°C		AMPS AT 60°C		SECONDS AT 25°C, 9.25A MAX	OHMS AT 25°C		WATTS AT 25°C
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX*	MAX
2.30	4.60	1.85	3.70	1.30	2.60	11.3	0.032	0.126	1.5

\* Maximum resistance is measured 1 hour after reflow.

\*\* Values were determined using PCB's with 100 mil X 2 ounce copper traces.

Reference Documents: PS300, PS400

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.

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

**PRODUCT: ASMD185F**

DOCUMENT: SCD27574  
REV LETTER: B  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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