




**Specification Status: Released**

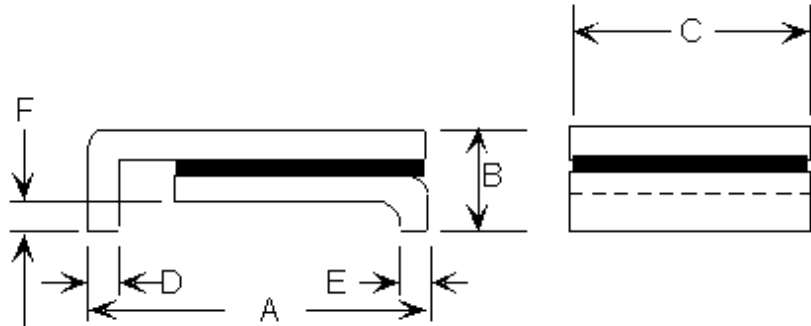
**Maximum Electrical Ratings**

Operating Voltage / Interrupt Current

**15V<sub>DC</sub> / 40A**  
**12V<sub>DC</sub> / 60A**  
**5V<sub>DC</sub> / 125A**

Marking:

-  **A15F** - 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	
	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:**

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 MAX	OHMS AT 20°C		WATTS AT 20°C MAX
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX*	
1.7	4.0	1.5	3.0	1.0	2.4	1.0	0.070	0.180	1.8

\* 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 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**



**ELV Compliant**



**Pb-Free**



**Halogen Free\***



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

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

**PRODUCT: SMD150F-2018**

DOCUMENT: SCD25562  
REV LETTER: H  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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