


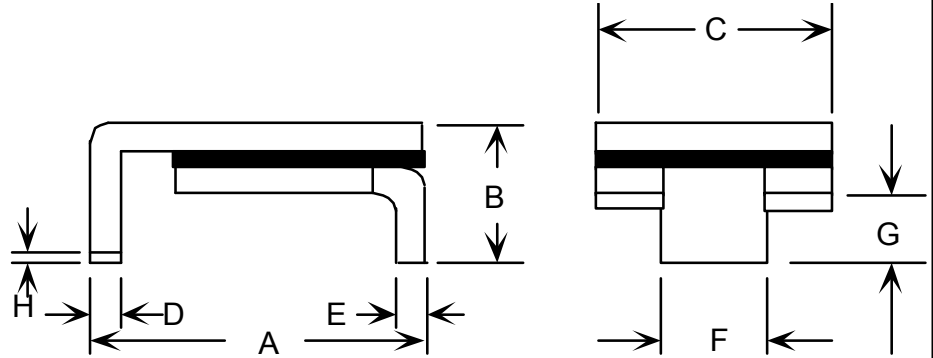


Specification Status: Released

Maximum Electrical Rating
Operating Voltage / Interrupt Current
15V_{DC} / 40A

Marking:

 **315F** - 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:	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 70°C		SECONDS AT 20°C, 8 A MAX	OHMS AT 20°C		WATTS AT 20°C, 15V MAX
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX*	
3.3	6.6	3.0	6.0	2.0	4.0	35.0	0.015	0.050	1.5

* Maximum Resistance is measured 1 hour after reflow at 260°C, 20 seconds.

** Values specified were determined using PCB's with 0.100"X2.0 ounce copper traces.

Agency Recognition:
Reference Document:
Precedence:
Effectivity:
CAUTION:

UL, CSA, TÜV
PS300
This specification takes precedence over documents referenced herein.
Reference documents shall be the issue in effect on the date of invitation for bid.
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: SMD300F/15

DOCUMENT: SCD27665
REV LETTER: D
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

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