

Specification Status: Released

Maximum Electrical Rating

Voltage: 24V_{DC}

Short Circuit Current: 40A

Notes:

1. All terminations are tin plated.
2. Drawing not to scale

Marking:

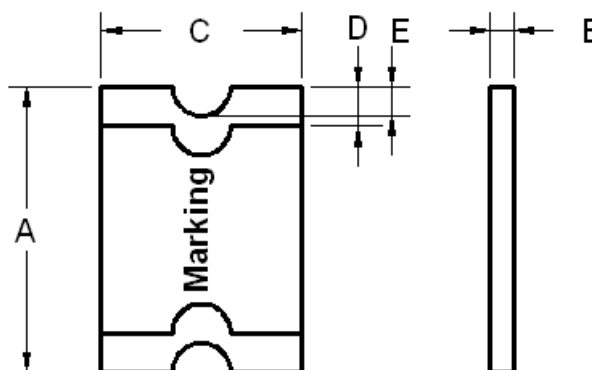
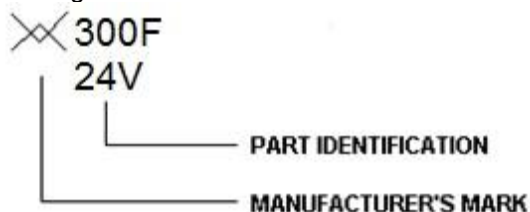


TABLE I. DIMENSIONS:

	A		B		C		D		E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	7.30	7.70	0.80	1.10	4.90	5.30	0.25	0.95	0.20
in:	(0.29)	(0.30)	(0.03)	(0.04)	(0.19)	(0.21)	(0.01)	(0.04)	(0.01)

TABLE II. PERFORMANCE RATINGS:

CURRENT RATINGS**								TIME TO TRIP**	RESISTANCE VALUES	TRIPPED-STATE POWER DISSIPATION**	
AMPERES AT 0°C		AMPERES AT 25°C		AMPERES AT 60°C		AMPERES AT 85°C		SECONDS AT 25°C, 8.0A MAX	OHMS AT 25°C	WATTS AT 25°C, 24V MAX	
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MIN	MAX*	MAX	
3.70	6.40	3.00	6.00	2.20	3.80	1.50	2.90	5.0	0.015	0.072	1.70

* Maximum resistance is measured 1 hour after reflow

** Values Specified were determined using PCB's with 0.150"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

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: SMDC300F/24

DOCUMENT: SCD28508
REV LETTER: A
REV DATE: July 26, 2016
PAGE NO.: 2 OF 2

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