

Specification Status: Released

Maximum Electrical Ratings

Operating Voltage / Interrupt Current

30V_{DC} / 40A

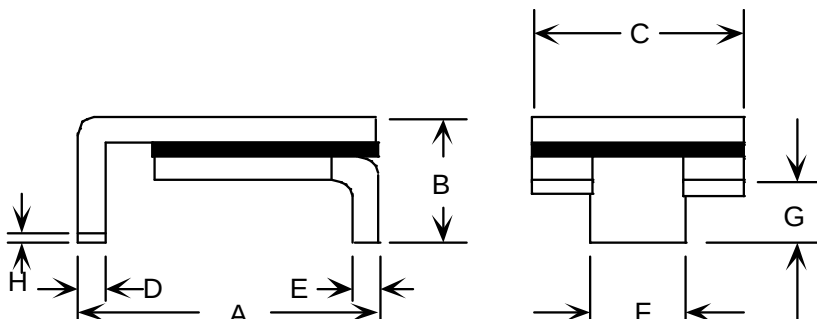
12V_{DC} / 60A

5V_{DC} / 125A

Marking:

 **100F** – 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:	6.7	7.9	--	3.0	4.8	5.4	0.5	0.8	0.5	0.8	2.1	2.5	0.7	1.3	0.4
in*:	(0.265)	(0.31)	--	(0.118)	(0.19)	(0.21)	(0.022)	(0.028)	(0.022)	(0.028)	(0.085)	(0.095)	(0.03)	(0.05)	(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 25°C, 4.5A MAX	OHMS AT 25°C		WATTS AT 25°C TYP.
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX*	
1.06	2.54	0.90	2.16	0.60	1.44	20	0.098	0.48	1.1

* Maximum resistance is measured 1 hour after reflow.

** Values specified were determined using PCB's with 0.070"X1.5-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: ASMD100F

DOCUMENT: SCD26569
REV LETTER: E
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

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