

DESCRIPTION: AC/DC Switch Power

PART NO: PSU SWMMC 12V 8.5A

MODEL NO: M120085P110

AC/DC Switch Power Specifications

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1、 (Description):

12V 8.3A

The purpose of the document is to specify the functional requirements of a **100W** AC/DC Switch Power.

2、 (INPUT CHARACTERISTICS):

2.1 (Input Voltage):

(Nominal Voltage): **85-130V/176-264Vac**

2.2 (Input Frequency) :

(Nominal Frequency) : **47-63Hz**

2.3(Input Current):

1.5A。

1.5Arms max At any input voltage and rated, DC output rated load.

2.4(Inrush Current):

25°C , 240Vac 20A。

20Amps Max. Cold start at 240Vac input, with rated load and 25°C ambient.

2.5 AC (Ac Leakage Current):

240Vac 0.25mA。

0. 25mA Max At 240Vac input.

3、 (OUTPUT CHARACTERISTICS):

3.1(Power Output);

<u>Voltage</u>	<u>Min. Load</u>	<u>Max. Load</u>	<u>Peak</u>	<u>Output Power</u>
DC12.0V	0A	8.3A	9A	100W

3.2 (Combined Load/Line Regulation):

<u>Voltage</u>	<u>Min. Voltage</u>	<u>Max. Voltage</u>	<u>Line Regulation</u>	<u>Load Regulation</u>
+12.0Vdc	11.4V	12.6V	±5%	±5%

3.3 (Ripple And Noise) :

20MHz 47uF 0.1uF

The ripple and noise are as follows when measure with Max. Bandwidth of 20MHz and

Parallel 47uF/0.1uF,crossed connected at testing point.

<u>Voltage</u>	<u>Ripple And Noise(Max.)</u>
+12.0Vdc	100mVp-p

3.4 (Turn On Delay Time):

115Vac 2S。

2 second Max. At 115Vac input and output Max. Load.

3.5(Rise Time):

115Vac 40mS。

40mS Max. At 115Vac input and output Max. Load.

3.6(Hold Up Time):

115V 5mS。

5mS Min. At 115Vac input and output Max. Load.

3.7(Efficiency):

100Vac, >80%。

>80%.At 100Vac input and output Max. Load.

240Vac, >85%。

>85%.At 240Vac input and output Max. Load.

3.8(Overshoot):

15%。

15%Max.When power supply at turn on or turn off.

4、 (PROTECTION REQUIREMENT):

4.1

Short Circuit Protection:

The power supply will be auto recovered when short circuit faults remove.

4.2(Over Voltage Protection)

The power supply will not be auto recovered when faults remove.

5、 (ENVIRONMENTAL REQUIREMET):

5.1(Operating Temperature):

0°C ~ -40°C, (Full load Normal operation)。

0°C to 40°C, Full load Normal operation.

5.2 (Storage Temperature): -20°C to 75°C, 帶外壳 (With package).

5.3 (Relative Humidity):

5% (0°C) ~ 90% (40°C)

5% (0°C) ~ 90% (40°C)

5.4 (Vibration):

1、 Operating: IEC 721-3-3 3M3

5 ~ 9Hz, A=1.5mm (9 ~ 200Hz, Acceleration 5m/s²)

2、 (Transportation): IEC 721-3-2 2M2

5-9Hz, A=3.5mm

9 ~ 200Hz, Acceleration=5m/S²

200 ~ 500HZ, Acceleration=15m/S²

3、 (Axes, 10 cycles per axis) .

The product has to restore its original situation after power off/on.

5.5 (Dropping) (Packed):

1 corner, 3 edges, and 6 surfaces

76m Height: 76cm

6、 EMC (SAFETY AND EMC REQUIREMENT):

7、 (MECHANICAL REQUIREMENT):

7.1 (Enclosure):

: 160*98*42mm

The power supply size : 160*98*42mm

Weight : 365g

: 43.5*34*26CM

12V8.3A100W IP20 电源图片



Material: Aluminum

Endure heat above 105°C

0.2-0.3mm

Thickness: 0.2-0.3mm

3*RI ± 0.1mm

3*RI ± 0.1mm

2.5mm

Angle 2.5mm