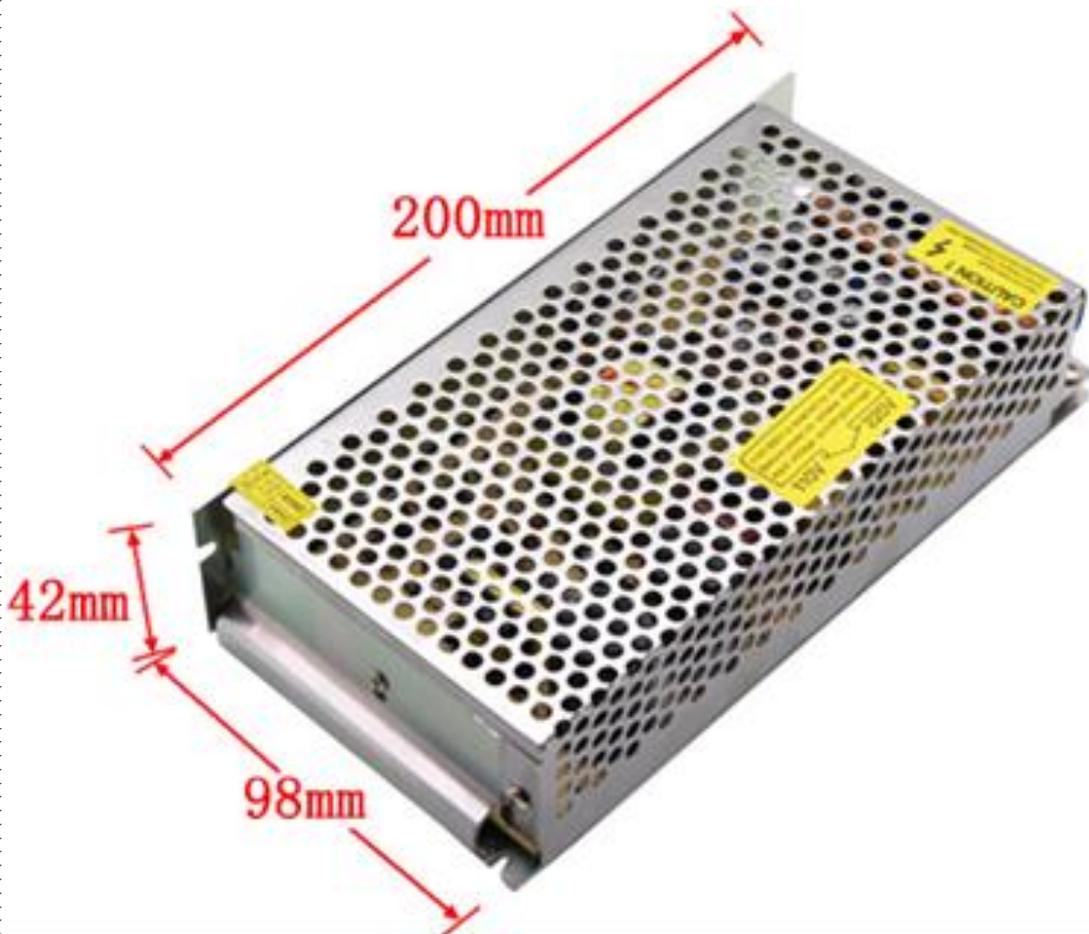


CUSTOMER PART NO: PSU SWMMC 48V 2.3A

DESCRIPTION: AC/DC Switch Power

MODEL NO: M480023P110



# AC/DC Switch Power Specifications

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	COMMUNICA (PTY)LTD	PART	PSU SWMMC 48V 2.3A
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**1、 (Description):**

48V 2.3A

The purpose of the document is to specify the functional requirements of a 110W AC/DC Switch Power.

**2、 (INPUT CHARACTERISTICS):**

**2.1 (Input Voltage):**

(Nominal Voltage): 176-264Vac

**2.2 (Input Frequency) :**

Nominal Frequency) :47-63Hz

**2.3 (Input Current):6.5A。**

6.5Arms max At any input voltage and rated, DC output rated load.

**2.4(Inrush Current):**

25°C, 240Vac 50A。

50Amps Max. Cold start at 240Vac input, with rated load and 25°C ambient.

**2.5 AC (Ac Leakage Current):**

220Vac, 0.25mA。

0.25mA Max At 220Vac input.

**3、 (OUTPUT CHARACTERISTICS):**

**3.1 输出功率(Power Output);**

<u>Voltage</u>	<u>Min. Load</u>	<u>Max. Load</u>	<u>Peak</u>	<u>Output Power</u>
DC48V	0A	2.3A	15A	110W

**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>
+48Vdc	45V	50V	±5%	±5%

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3.3 (Ripple And Noise) :

20MHz 47uF

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>
+48Vdc	150mVp-p

3.4 (Turn On Delay Time):

115Vac

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.

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#### **4、 (PROTECTION REQUIREMENT):**

##### 4.1:

Short Circuit Protection:

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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.

#### **(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 ,(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/s<sup>2</sup>)

2、 Transportation ): IEC 721-3-2 2M2

5-9Hz, A=3.5mm

9 ~ 200Hz, Acceleration=5m/S<sup>2</sup>

200 ~ 500HZ, Acceleration=15m/S<sup>2</sup>

3、 ( Axes, 10 cycles per axis ) .

No permanent damage may occur during testing.

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

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### 5.5 (HI POT)

**AC1500V 60, 1.39mA;**

**Input to Output AC1500V 60seconds,Leak current 1.39mA;**

**AC1500V 60, 1.39mA;**

**Input to casing AC1500V 60seconds,Leak current 1.39mA;**

**AC1500V 60, 1.39mA;**

**Output to casing AC1500V 60seconds,Leak current 1.39mA;**

### 6、EMC (SAFETY AND EMC REQUIREMENT) :

### 7、(MECHANICAL REQUIREMENT):

7.1(Enclosure):

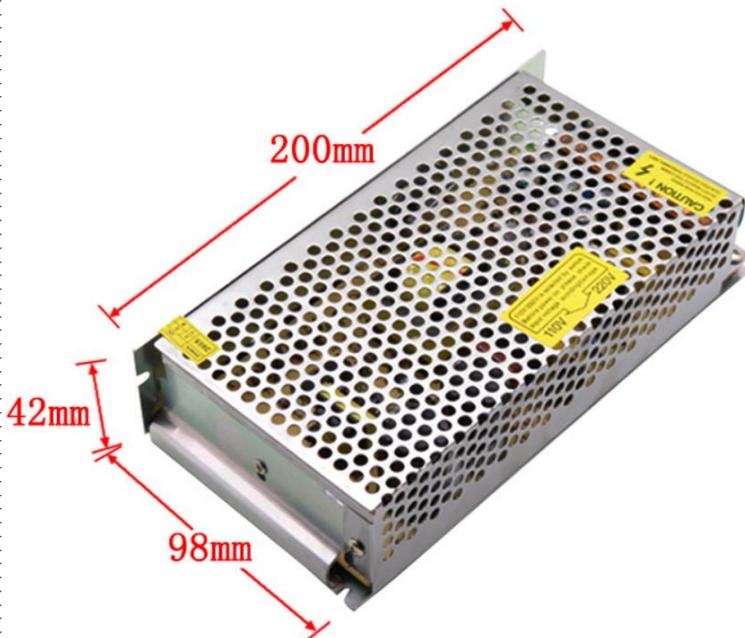
The power supply size : 200\*98\*42mm

: 460g      Weight : 460g

: 37\*27.5\*27CM

Neutral packaging is white box packaging (color box, standard and large quantity can be customized according to customer requirements)

48V 2.3A 110W    IP20    LED power supply



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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