



SPECIFICATION FOR APPROVAL
Power Adapter

DESCRIPTION: Input:100~240V AC 50/60Hz Output: 12VDC8A

OUR MODEL NO: 8796-12V

SAMPLE NO: _____ DATE: 2017-06-01

SAMPLE COLOR: Black



White



APPROVAL SIGNATURE		
APPROVED BY	CHECKED BY	TESTED BY



1. DESCRIPTION:

The purpose of the document is to specify the functional requirements of a 96W switching power supply.

2. INPUT CHARACTERISTICS:

2.1 Input Voltage:

Rated Voltage: 100~240Vac

Variation Range: 90-264Vac

2.2 Input Frequency:

Rated Frequency: 50/60Hz.

Variation Frequency: 47-63Hz

2.3 Input Current:

2.4Amps max At any input voltage and rated, DC output rated load.

2.4 Inrush Current:

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

2.5 AC Leakage Current:

0.25mA Max. At 240Vac input.

3、 OUTPUT CHARACTERISTICS:

3.1 Power output

Voltage	Min. Load	Rated. Load	Peak	Output power
12Vdc	0.00A	8.0A	150W	96W

3.2 Combined Load/Line Regulation

Voltage	Min. Load	Rated. Load	Line Regulation	Load Regulation
12Vdc	0.00A	8.0A	±1%	±5%

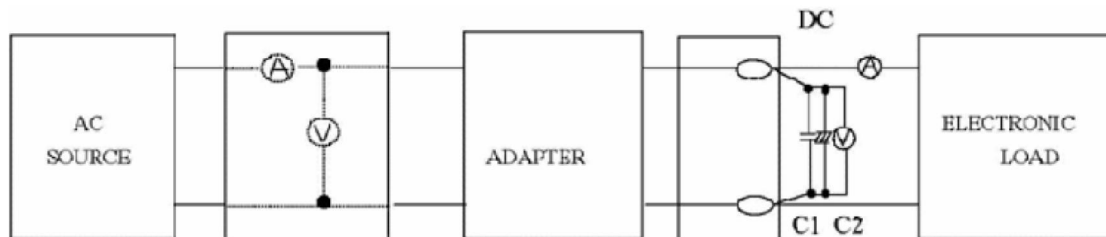
3.3 Ripple and Noise:

Under nominal voltage and nominal load, the ripple and noise are as follows when measured with Max. Bandwidth of 20MHz and Parallel 47uF/0.1uF, crossed connected at testing point.

Voltage _____ Ripple and Noise(Max.)

+12Vdc

200 mV p-p



C1: 0.1uF CERAMICS CAPACITOR
C2: 10uF 50V ALUMINUM CAPACITOR

3.4 Turn on delay time:

3Second Max.at 115Vac input and output Max.load.

3.5 Rise time:

40 mS Max.at 115Vac input and output Max load.

3.6 Hold up time:

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

3.7 Efficiency:

86% Min, At 115/230Vac input voltage, 1/4 , 1/2 , 3/4 and full load calculation average efficiency.

3.8 Overshoot

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

4、 PROTECTION FUNCTION:

4.1 Short circuit test:

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

4.2 Over current Protection:

The power supply will be auto recovered when over current faults remove.

4.3 Over Voltage Protection:

The power supply will auto recovered when faults remove 120%~170%.

5、 ENVIRONMENTAL REQUIREMENT:

5.1 Operating Temperature:

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

5.2 Storage Temperature:-20°C to 80°C

With package

5.3 Relative Humidity:

5%(0°C)~90%(40°C)RH, 72Hrs, Full load, Normal operating.

5.4 Vibration:

5.4.1.

Operating: IEC 721-3-3 3M3

5~9Hz, A=1.5mm

(9~200Hz, Acceleration 5m/S²)

MECHANICAL REQUIREMENT:

Enclosure: L153mm × W60mm × H38mm.

