

Switching Power Supply Specifications

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1. 描述 (GENERAL DESCRIPTION):

本规格书适应于24V-80W型号的开关电源。

This specification defines the input, output, performance characteristics, environment, noise and safety requirements for the 24V-80W switching type power adapter.

2. 输入特性 (INPUT CHARACTERISTICS):

2.1 额定电压 (Nominal Voltage) : 170-265VAC

额定频率 (Nominal Frequency) : 50/60Hz

2.2 输入电流 (Input Current) : 3.3A

2.3 漏电流 (Leakage Current) : <3.5mA

3 输出特性 (OUTPUT CHARACTERISTICS) :

3.1 额定电压 (Nominal voltage) : 24VDC+/-1%

3.2 线性调整 (Line Regulation) : 0.5%

3.3 负载调整 (Load Regulation) : 2%

3.4 额定电流 (Nominal current) : 3.3A

3.5 波纹和噪音 (Ripple And Noise):

240mV(220VAC, 20MHz, terminated with a 0.1uF & 47uF parallel capacitor at the output connector)

240mV(在220VAC输入条件下, 采用20MHz带宽, 并在输出连接器端口并联0.1uF和47uF两个电容测量)

3.6 启动时间 (Setup time):

500ms(220VAC, Max.Load) / 520ms(110VAC, Max.Load)

500ms(220VAC输入, 最大负载) / 520ms(110VAC输入, 最大负载)

3.7 上升时间 (Rise Time):

300ms(220VAC, Max.Load) / 350ms(110VAC, Max.Load)

300ms(220VAC输入, 最大负载) / 350ms(110VAC输入, 最大负载)

3.7 保持时间 (Hold up Time):

10ms(220VAC, Max.Load) / 10ms(110VAC, Max.Load)

10ms(220VAC输入, 最大负载) / 10ms(110VAC输入, 最大负载)

3.8 效率 (Efficiency):

84.8%(110VAC,Max.Load)

84.8%(110VAC 输入, 最大负载)

87.2%(220VAC,Max.Load)

87.2%(220VAC 输入, 最大负载)

4. 输出保护功能(OUTPUT PROTECTION REQUIREMENT):

4.1 短路保护功能(Short Circuit Protection):

锁存模式, 短路电流小于4A, 短路解除时,能自动恢复.

The power supply will be recovery from latch mode when short circuit faults removed, short-circuit current less than 3A.

4.2 过流保护(Over current protection):

负载电流大于4A(110Vac 或者220Vac)时进入锁存模式, 过流故障解除时,电源能自动恢复.

The power supply will be recovery from latch mode when load current less than 3A(110Vac or 220Vac).

5. 环境条件(ENVIRONMENTAL REQUIREMET):

5.1 工作温度(Operating Temperature): - 10°C-40°C (满载/Max. Load)

5.2 储藏温度(Storage Temperature): -20°C to 85°C.

5.3 工作湿度(Relative Humidity): 5%(0°C) ~95%(45°C)

5.4 振动(Vibration): 10-500Hz, 2g, 10 min

5.5 MTFB: 2years

6. 安规要求(SAFETY REQUIREMENT)

6.1 安规标准(Safety standards): EN60950

6.2 耐压 (Withstand voltage):

输入对输出: 1.5KVAC 1分钟

I/P-O/P:1.5KVAC 1minute

输入对地: 1.5KVAC 1分钟

I/P-FG:1.5KVAC 1minute

输出对地: 0.5KVAC 1分钟

O/P-FG:0.5KVAC 1minute

7.外形尺寸 (OUTLINE DIMENSION):

长*宽*高=160*45*21mm, 重量=307.9g L*W*H=160*45*21mmmm,
Weight=307.9g

