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1/ DESCRIPTION: WT1205000 The purpose of the document is to specify the functional requirements of a 60 W switching power supply.

2、 /INPUT CHARACTERISTICS:

2. /Input Voltage:

/Rated Voltage:100~240Vac

/Variation Range:90-264Vac

2.2 /Input Frequency:

/ Rated Frequency: 50/60Hz.

/Variation Frequency:47-63Hz

2. /Input Current: 1.6 A.

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

2.4 /Inrush Current:

25 , °C 240Vac 60A.

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

2.5 AC /Ac Leakage Current:

240Vac 0.25 mA.

0.25 mA Max.At240Vac input.

3 /OUTPUT CHARACTERISTICS:

3.1 /Power output

Voltage	Min. Load	Rated. Load	Standby power	Output power
12Vdc	0.01A	5.0A	0.5W Max	60W

3.2 /Combined Load/Line Regulation

Voltage	Min. Load	Rated. Load	Line Regulation	Load Regulation
12Vdc	0.01A	5.0A	±1%	±5%

3.3 Ripple and Noise: 20MHz 47uF 0.1uF.

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

Voltage Ripple and Noise(Max.)

+12Vdc 120mV p-p

3.4 /Turn on delay time:

115Va 3S.

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

3.5/Rise time:

115Vac 40 mS.

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

3.6 /Hold up time:

115Vac 5 mS .

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

3.7 /Efficiency: 115/230Vac, 1/4 , 1/2 , 3/4 80 %。

80 % Min, At 115/230Vac input voltage,1/4 , 1/2 , 3/4 and full load calculation average efficiency.

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:

120%~170%.

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

5、/ENVIRONMENTAL REQUIREMET:

5.1 /Operating Temperature:

0°C-40C

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

5.2 /Storage Temperature:-20°C°Cto /With package

5.3 /Relative Humidity:

5%(0°C)~90%(40°C),72

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

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.

No permanent damage may occur during testing.

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

5.5 /Dropping Packed:

1 -760mm ;

1M for wallmount type and 760mm for desktop type as above described. 13mm, 19-20mm

The horizontal surface consists of hardwood at least 13mm thick, mounted on two layers of plywood each 19mm to 20mm thick,all supported on a concrete or equivalent non-resilient floor.

6、/SAFETY REQUIREMENT:

6.1 UL/CUL-(UL60950-1),TUV/GS-(EN60950-1),CCC-(GB4943) AS/NZS: 60950-1, Safety: accord with

UL/CUL-(UL60950-1),TUV/GS-(EN60950-1),CCC-(GB4943) AS/NZS: 60950-1,

6.2 /DIELECTRIC STRENGTH Hi-Pot:

/Primary to secondary:3000Vac10mA/3S for type test.

6.3 / Insulation resistance:

/Primary to secondary:10M Ω min at 500V DC.

6.4 EMI /EMI STANDARD Meets the Limits of

<1>.Fcc part15 class B rules

<2>.EN55022 class B rules

<3>.GB9254-1998,GB17625.1-2003

7、 MECHANICAL REQUIREMENT:

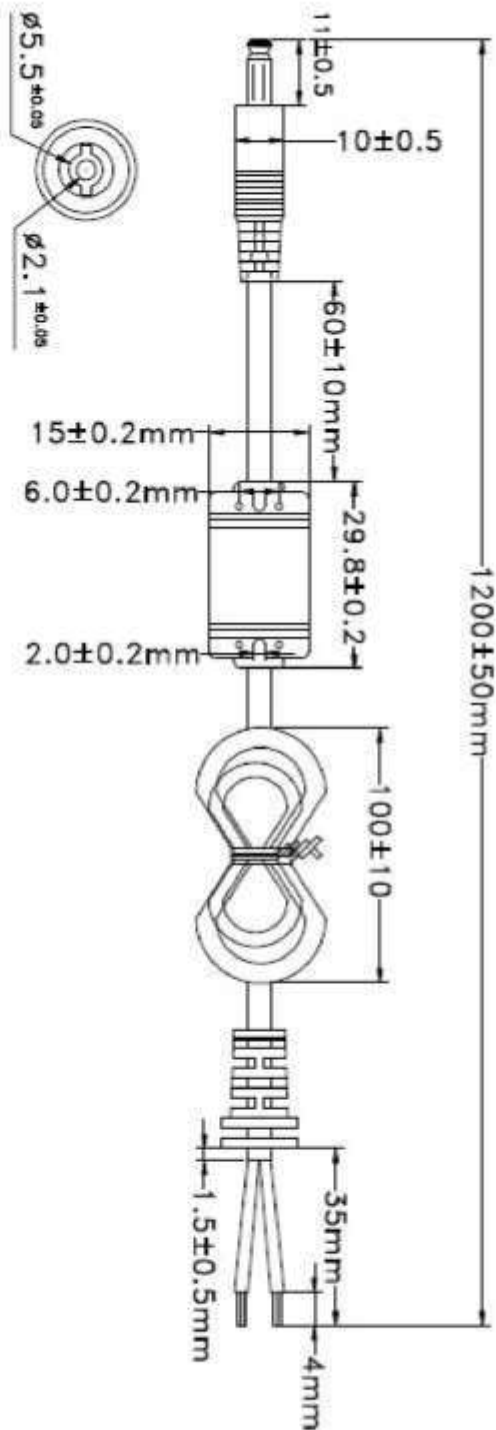
7.1 外壳/Enclosure:

外壳尺寸: L120 x W53 x H32mm;

The power supply size: L120 x W53 x H32mm;

7.2 输入线/Input Connector:

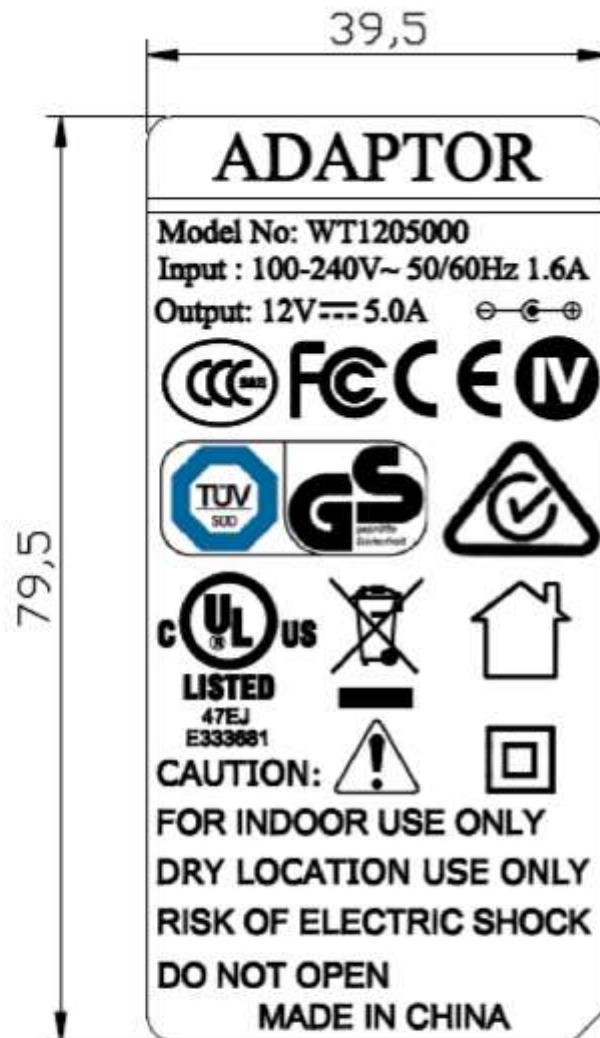
IEC-320-C8.



1.线材规格:UL2464 18AWG 300V 80℃ L=1.2M

2.PULG:5.5*2.1*11音叉叉沟(镀镍黑胶)

9- LABEL:



备注:

Remarks:

1.黑底银字

Silver characters on black

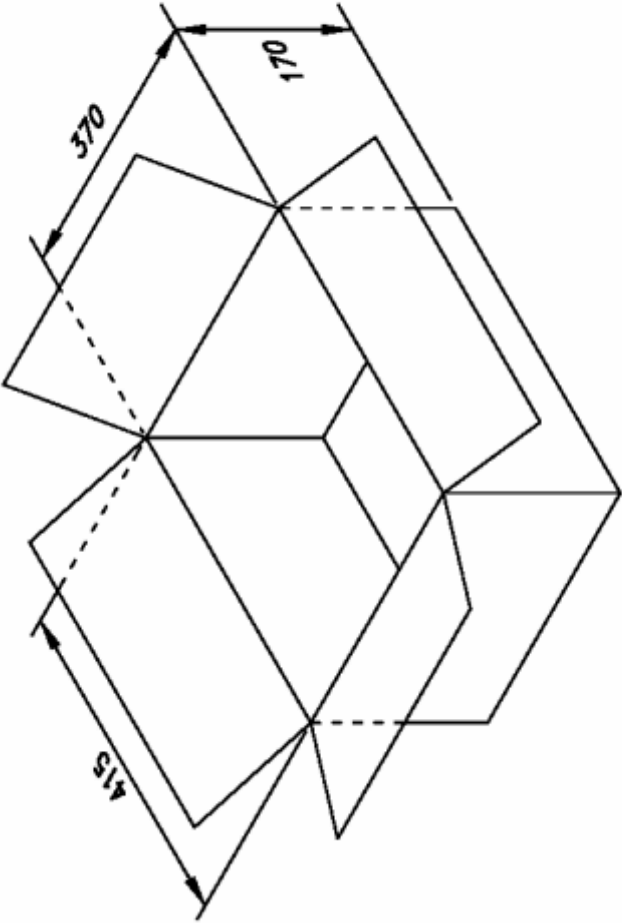
2.材质: 亚银龙, 94-V0

Material: Mild Silver Dragon. 94-V0

3.处理: 永久背胶

Treatment: Permanent Adhesive

10、包装说明/PACKING:



备注:

- 1.纸箱材质为A=B
抗张力14公斤/cm²
- 2.外箱尺寸为外部尺寸,公差为: +5,-0.
- 3.装箱方式: 以50pcs为一层,共装一层,共计
50PCS/箱

11- ELECTRICAL TEST REPORT:

No 序号	Test item 测试项目	Test condition 测试条件	Standard spec 标准规格	Test data 测试数据				Unit 单位	Judge 判定
				1	2	3	4		
1	Output Voltage 输出电压	Vin100Vac 60Hz Io=0 输入 100Vac 空载	±5%					V	Pass
2	Output Voltage 输出电压	Vin100Vac 60Hz Io=Rated Current 输入 100Vac 60Hz 额定电流	±5%					V	Pass
3	Average Efficiency 平均效率	Vin 115Vac 60Hz 输入 115Vac 60Hz	80%					%	Pass
4	Ripple&Noise mVp-p 纹波&杂讯	Vin100Vac 60Hz Full load 输入 100Vac 60Hz 满载	120mVp-p					mVp-p	Pass
5	Line Regulation 线性调整率	Vin=100V~240V Io=Rated Current 额定电流	±2%						Pass
6	Standby Power 待机功耗	Vin 115Vac 60Hz Io=0 输入 115Vac 60Hz	0.5W max					W	Pass
7	Short circuit test 短路测试	Vin100Vac 60Hz 输入 100Vac 空载	No odor smoke fire plastic deformation and excessive heat happen. 无冒烟,起火,外壳变 形及过热现象						Pass
8	OCP 过电流保护	Vin100Vac 60Hz 输入 100Vac						A	
9	Output Voltage 输出电压	Vin240Vac 50Hz Io=0 输入 240Vac 空载	±5%					V	Pass
10	Output Voltage 输出电压	Vin240Vac 50Hz Io=Rated Current 输入 240Vac 50Hz 额定电流	±5%					V	Pass
11	Average Efficiency 平均效率	Vin230Vac 50Hz 输入 230Vac 50Hz	80%					%	Pass
12	Ripple & Noise mVp-p 纹波&杂讯	Vin240Vac 50Hz Full load 输入 240Vac 50Hz 额定电流	120mVp-p					mVp-p	Pass
13	Line Regulation 线性调整率	Vin=100V~240V Io=Rated Current 输入 100V~240V	±2%						Pass
14	Standby Power 待机功耗	Vin230Vac 50Hz Io=0 输入 230V 50Hz	0.5W max						Pass
15	Short circuit test 短路测试	Vin240Vac 50Hz 输入 240Vac 50Hz	No odor smoke fire plastic deformation and excessive heat happen. 无冒烟,起火,外壳变 形及过热现象						Pass
16	OCP 过电流保护	Vin230Vac 50Hz 输入 230Vac 50Hz						A	
17	Hi-pot test 高压测试	高压 /DIELECTRIC STRENGTH Hi-Pot: 初级对次级 /Primary to secondary:3000VAc/10mA/3S for type test							Pass
18	Burn in 老化	Input:220Vac/50Hz Full Load 4hrs 输入 220Vac/50Hz 满载 4 小时							Pass
19	Drop test 跌落	Heigh:1m Three*faces(onceon each plane) 高 1 米,3 个面,每面 1 次。							Pass
REMARK 备注									