

规 格 书

SPECIFICATION FOR APPROVAL

电源

power supply

客 户/CUSTOMER:

产品描述/DESCRIPTION: 5V 3A

机种型号/OUR MODEL NO: 59RKPO-UK0503000CD-5

物料编号/SAMPLE NO :

日期/DATE: 2019.07.17

产品颜色/SAMPLE COLOR

Black (■)

White

客户确认/APPROVAL SIGNATURE		
核准/APPROVED BY	审核/CHECKED BY	检测/TESTED BY

制造商Manufacturer/		
业务/SALES	核准/APPROVED BY	设计/DESIGNED BY
蒋亮兵	李宽	何嘉琦

版本目录/Rev. List			
版本/Rev.	日期/Date	描述/Description	制订/Design
A0	2019/7/17	新版本/New Rev.	

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1、描述 / DESCRIPTION:

本规格书适应于59RKPO-UK0503000CD-5型号的 电源.

The purpose of the document is to specify the functional requirements of model 59RKPO-UK0503000CD-5 power supply .

2、输入特性 / INPUT CHARACTERISTICS:

2.1输入电压 / Input Voltage:

额定电压 / *Rated Voltage: 100~240Vac*

调整范围 / *Variation Range: 90-264Vac*

2.2输入频率 / Input Frequency:

额定频率 / *Rated Frequency: 50/60Hz.*

调整频率 / *Variation Frequency: 47-63Hz*

2.3输入电流 / Input Current:

当输入交流电压为额定值的下限电压负载满载时,最大输入交流电流0.6A.

0.6Amps max At any input voltage and rated, DC output rated load.

2.4浪涌电流 / Inrush Current:

当输出为额定负载,环境温度为25℃,输入240Vac冷态起机时的最大浪涌电流小于40A.

40 Amps Max. Cold start at 240Vac input, with rated load and 25℃ ambient.

0.25mA漏电流 / Ac Leakage Current:

当输入电压240Vac时,最大漏电流为0.25mA.

0.25mA Max. At 240Vac input.

3、输出特性/OUTPUT CHARACTERISTICS

3.1输出功率(Power Output);

电压	最小负载	额定负载	输出功率
<i>Voltage</i>	<i>Min. Load</i>	<i>Rated. Load</i>	<i>Output Power</i>
5Vdc	0.1A	3A	15W

3.2负载特性,调整率/Combined Load/Line Regulation

电压	最小电压	最大电压
<i>Voltage</i>	<i>Min. Voltage</i>	<i>Max. Voltage</i>
5Vdc	4.7V	5.8V

3.3纹波和噪音*Ripple and Noise:*

测试条件:在额定电压及额定负载条件下,使用示波器带宽为20MHz连接到电源的输出端,同时输出端并联一个47uF的电解电容和一个0.1uF的瓷片电容.

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

电压	最大纹波/最大噪音
<i>Voltage</i>	<i>Ripple and Noise(Max.)</i>
+5Vdc	300mV p-p

3.4启动延迟时间/*Turn on delay time:*

当输入115Vac和输出最大负载时,最大启动时间为3S.

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

3.5上升时间/*Rise time:*

当输入115Vac和输出最大负载时最大时间为40 mS.

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

3.6保持时间/*Hold up time:*

当输入115Vac 和输出最大负载时,最小保持时间为5 mS .

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

3.7效率/*Efficiency:*

当115/230Vac输入电压时,满载效率,最小81.39%。

81.39% Min, At 115/230Vac input voltage, full load calculation

4、保护功能/PROTECTION FUNCTION

4.1过流保护/Over current Protection:

过流故障排除后,电源将自动恢复正常工作.

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

4.2过压保护/Over Voltage Protection:

当输出电压超过额定电压的120%~170%时,电源将保护,故障排除后能恢复正常工作.

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

4.3输出短路保护/Output short circuit protection:

当输出负载短路时,电源将保护,故障排除后能恢复正常工作.

When the output load short-circuit, the power supply will protect, troubleshooting can resume normal work.

5、环境要求/ENVIRONMENTAL REQUIREMET:

5.1 工作温度/Operating Temperature:

0℃ -40℃,满载,正常工作.

0℃ to 40℃,Full load, Normal operation.

5.2 储藏温度/Storage Temperature:-10℃ to 80℃

带外壳/*With package*

5.3工作湿度/Relative Humidity:

5%(0℃)~90%(40℃),72小时,满载,正常工作.

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

5.4 振动/Vibration:

1. 测试标准:国际电工电子委员会

Operating: IEC 721-3-3 3M3

5~9Hz,A=1.5mm

加速度(*9~200Hz,Acceleration 5m/S²*)

2. 运输/*Transportation:*

IEC 721-3-2 2M2

5-9Hz,A=3.5mm

9~200Hz,加速度*Acceleration=5m/S²*

200~500Hz,加速度*Acceleration=15m/S²*

3. 轴向振动/*Axes,10 cycles per axis.*

在测试过程中不能出现永久性的损坏.

No permanent damage may occur during testing.

在电源开启和关闭后,样机能够恢复到最初条件.

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

6、安全要求/SAFETY REQUIREMENT:

6.1 安全:符合标准 TUV/GS CE

Safety: accord with TUV/GS CE

6.2 高压/DIELECTRIC STRENGTH Hi-Pot:

初级对次级/*Primary to secondary:3000Vac5mA/3S for type test.*

6.3 绝缘抗阻/ *Insulation resistance:*

初级对次级/*Primary to secondary:10M Ω min at 500V DC.*

6.4 EMI标准/EMI STANDARD

Meets the Limits of /测试符合

<1>.Fcc part15

<2>.EN550 15

7、 结构参数/MECHANICAL REQUIREMENT:

7.1 外壳/Enclosure:

外壳尺寸: (单位MM) L 102 x W 49 x H 34

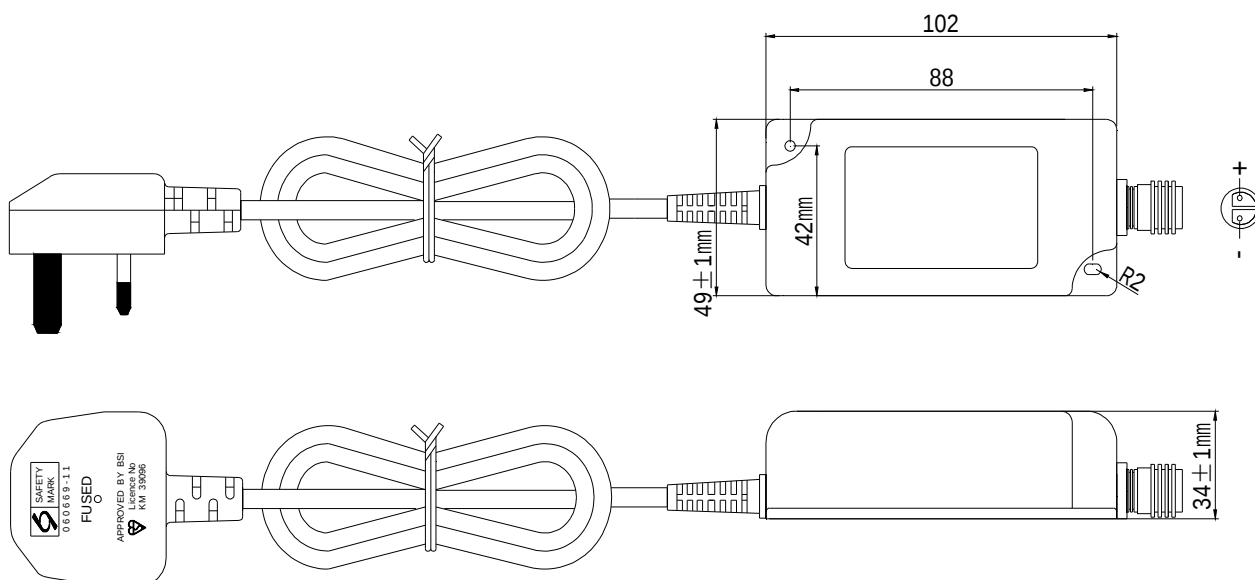
The power supply size: L 102 x W 49 x H 34

7.2 输入: BS插头 + 1.5米 H05RN-F 2*1.0mm²

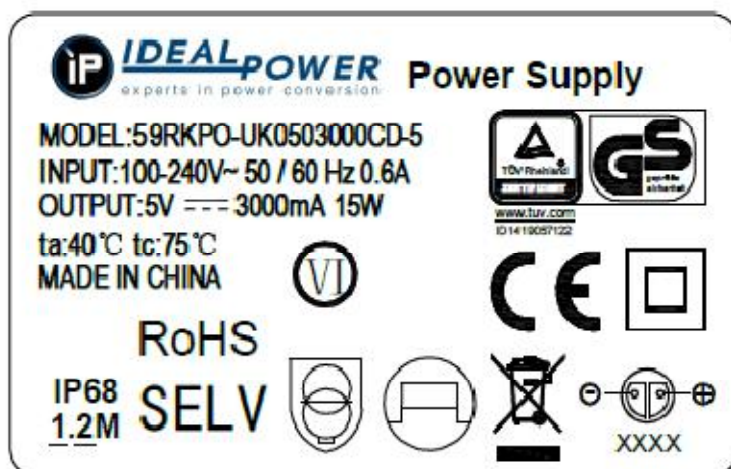
Input: BS Plug + 1.5米 H05RN-F 2*1.0mm²

7.3 输出: 防水母座

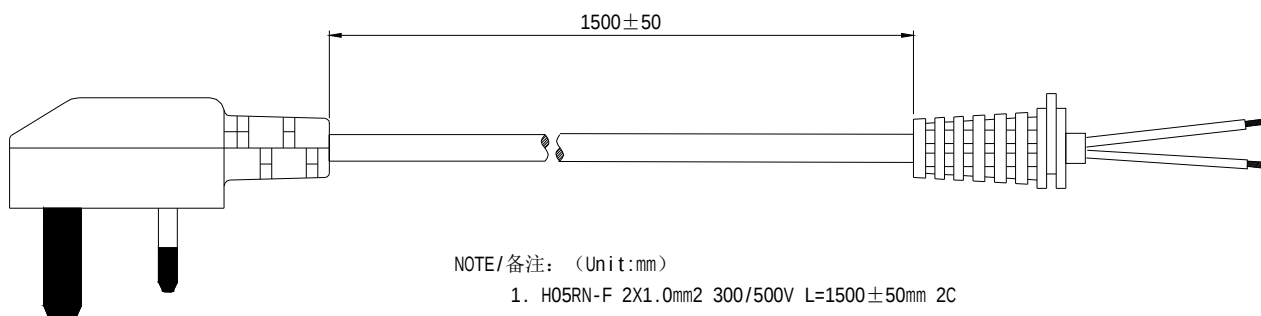
Output: Waterproof Connector



8、 铭牌/LABEL



9、线材/CORD



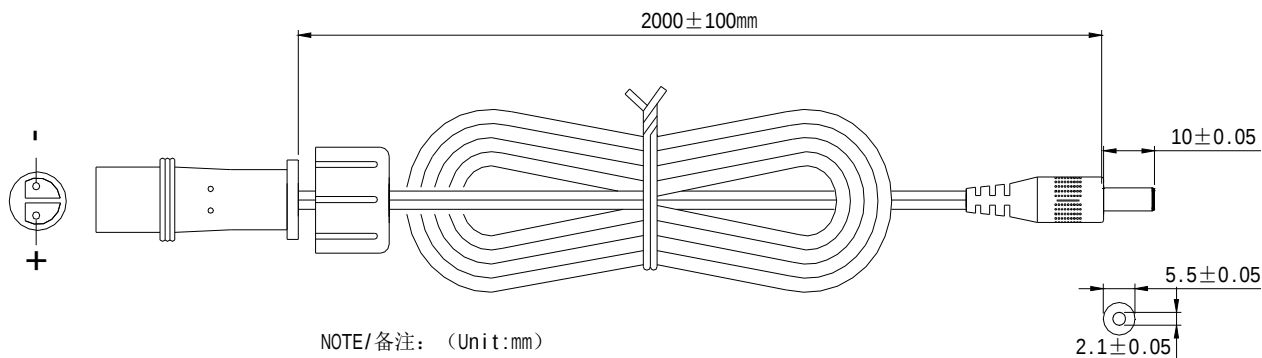
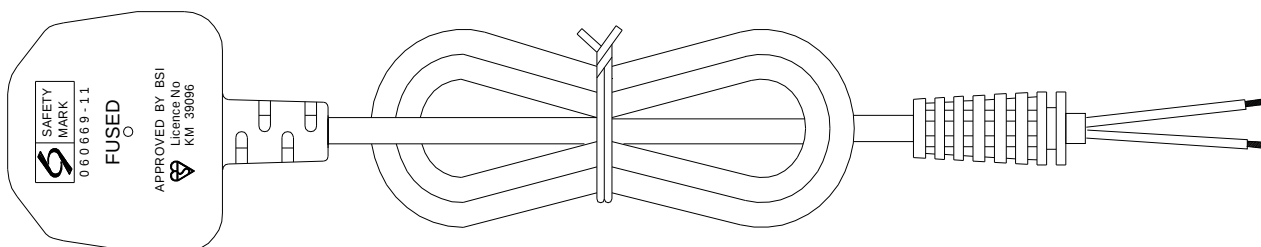
NOTE/备注: (Unit:mm)

1. H05RN-F 2X1.0mm² 300/500V L=1500±50mm 2C

线材: H05RN-F 2X1.0mm² 长度: 1.5米

2. BS Plug 3PIN Fuse:3A/250V~

插头: 英规插头 3PIN 保险丝 3A/250V



NOTE/备注: (Unit:mm)

1. SPT-1W 18AWG VW-1 105C° 300V L=2000±100mm 2C

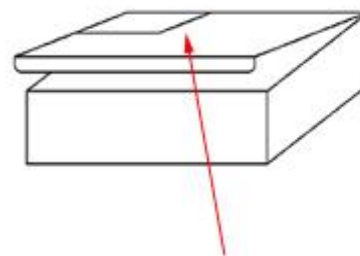
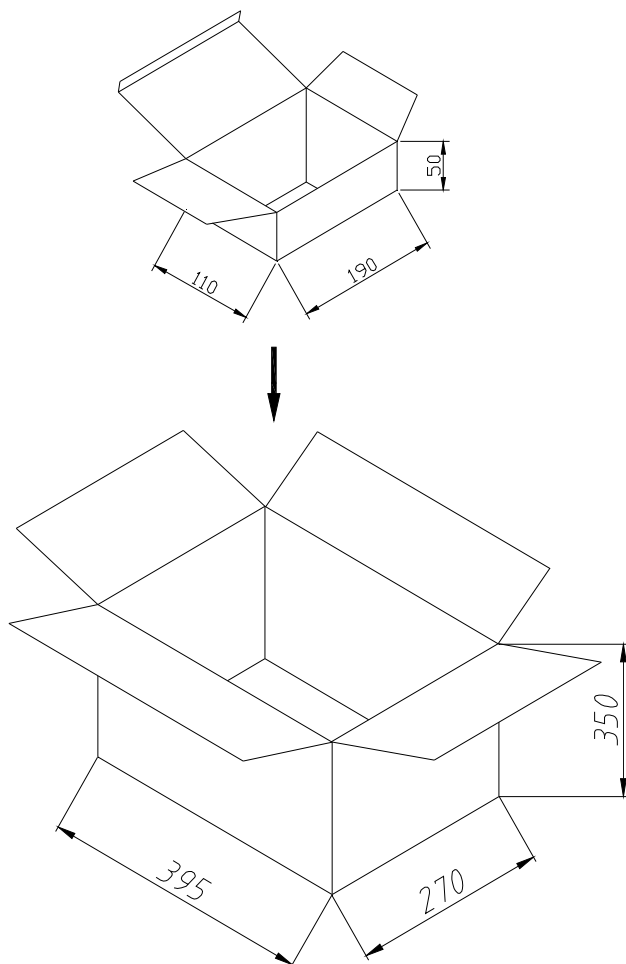
线材: SPT-1W 18# 长度: 2米

2. The polarity: inner-positive, outer-negative

极性: 内正外负

3. DC jack: 5.5*2.1*10mm

10、包装说明/PACKING:



59RKPO-UK0503000CD-5

白盒尺寸/BOX SIZE:190*110*50mm

材质/Material:350G

纸箱尺寸/CARTON SIZE:395*270*350mm

材质/Material:K=K

30PCS白盒装一箱/ Inner box 30pcs/crton