



POWER JS TECHNOLOGY CO.,LTD.



REACH

SPECIFICATION FOR APPROVAL

CUSTOMER: Fine Care Biosystems MODEL NO.: SD-05050100

CUSTOMER P/N: _____ P/N: JS-05050100B

REV. A/0 DATE: 18th.FEB. 2014

DESCRIPTION: Input : 100~240 Vac 50/60Hz ; Output : 5.0 VDC 1000mA

CUSTOMER APPROVED SIGNATURE

APPROVED BY:	CHECKED BY:	TESTED BY:
DATE:	DATE:	DATE:
Please send one copy of this specification back after you sign and approve for production		

ISSUED BY	Angie	CHECKED BY		APPROVED BY	
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1. SCOPE

The document detail the electrical, mechanical and environmental specifications of a SMPS, the power supply provide 5W continuous output power.

资料详细描述了一款 5W(连续输出功率)开关电源的电气性,结构性及环境等要求.

1.1. Description

- SMPS Adaptor(Wall mount)/插墙式适配器 SMPS Adaptor(Desk-top)/桌面型适配器
 Open Frame/开放式结构 SMPS Unit (With Case)/带铁壳型
 Others/其他:充电器

2. Input Characteristics/输入特性

2.1. Input Voltage & Frequency/输入电压与频率

The range of input voltage is from 100Vac to 240Vac single phase.

输入电压范围: 从 100Vac 到 240Vac, 单相输入.

	Minimum/最小	Nominal/额定值	Maximum/最大
Input Voltage/输入电压	100Vac	100Vac~240Vac	264Vac
Input Frequency/输入频率	47Hz	60Hz/50Hz	63Hz

2.2. Input AC Current/AC 输入电流

0.15 Amax. @ 100-240Vac input & Full load/满载

2.3. Inrush Current (cold start)/浪涌电流(冷启动)

30Amax. @ 230Vac input

2.4. Efficiency (Normal)/效率(额定输入)

60% min. @ Nominal input & Full load/额定输入& 满载

3. Output Characteristics/输出特性

3.1. Static Output Characteristics <Vo & R+N>/静态输出特性

Output	Rated Load/额定负载		Peak Load	Output Range 输出电压范围	R+N 纹波与噪声	Remark 备注
	Min. Load	Max. Load				
+5V		1.0A	A	4.8V ~ 5.4V		
充电器转灯(绿灯转红灯)电流为: 100mA-130mA						

3.2. Line/ Load Regulation/线性/负载调整率

Output	Load Condition/负载条件		Load Regulation 负载调整率	Remark 备注
	Min. Load	Max. Load		
+5V	0 A	1.0A		

3.3. Turn - on Delay Time/开机延迟时间

3S max. @ 100Vac to 240 Vac input & Full load/满载

3.4. Hold-up Time/关机维持时间

20mS min. @ Full load & 230Vac/50Hz input turn off at worst case/在最差情况关机

3.5. Rise Time/上升时间

50mS max. @ Rated load/额定负载

3.6. Output Overshoot / Undershoot/输出过冲/欠冲

5% max. When the power on or off/当电源开/关机时

4. Protection Requirements/保护要求

4.1. Over Current Protection/过流保护

The output shall hiccup when the over currents applied to the output rail, and shall be self-recovery when the fault condition is removed

当过电流时,输出将进入打嗝模式,当过流情况解除后,产品将会自动恢复正常

4.2. Short Circuit Protection/短路保护

The input power shall decrease when the output rail short, the power supply shall no damage, and shall be self-recovery when the fault condition is removed

当输出短路时,产品输入功率降低且不会损伤,当短路情况解除后,产品将会自动恢复正常

5. 高压 (DIELECTRIC STRENGTH)(Hi-Pot):

初级对次级 (Primary to secondary), 3000Vac/5mA/60s

6. Environment Requirements/环境要求

6.1. Operating Temperature and Relative Humidity/操作温/湿度要求

0°C to +40°C

5%RH to 95%RH(Non-condensing)

6.2. Storage Temperature and Relative Humidity/存储温/湿度要求

-20°C to +65°C

0%RH to 95%RH non-condensing @ Sea level shall be low 10,000 feet/低于 **10,000** 英

6.3. Vibration/振动

10 to 300Hz sweep at a constant acceleration of 1.0G(Breadth: 3.5mm) for 1Hour for each of the perpendicular axes X, Y,

扫描频率: **10 to 300Hz**, 加速度: **1.0G**(位移: **3.5mm**), **X, Y, Z** 三垂直坐标轴向各振动 **1** 小时

7. Reliability Requirements/可靠性要求

7.1. Burn-in/煲机

The power supply shall under go a minimum of 4 Hours burn-in test at 40°C ± 5°C under full load condition

产品至少要在 $40^{\circ}\text{C} \pm 5^{\circ}\text{C}$ 的环境及满载条件下煲机 4 小时

7.2. MTBF Qualification/平均间隔故障时间估算

The MTBF shall be at least 20,000hours at 25°C , Full load and nominal input condition
平均间隔故障时间: 至少 20,000 小时, 25°C 环境及额定输入与满载条件下

8. Mach. Outline Drawing/外观示意图 (单位:mm)

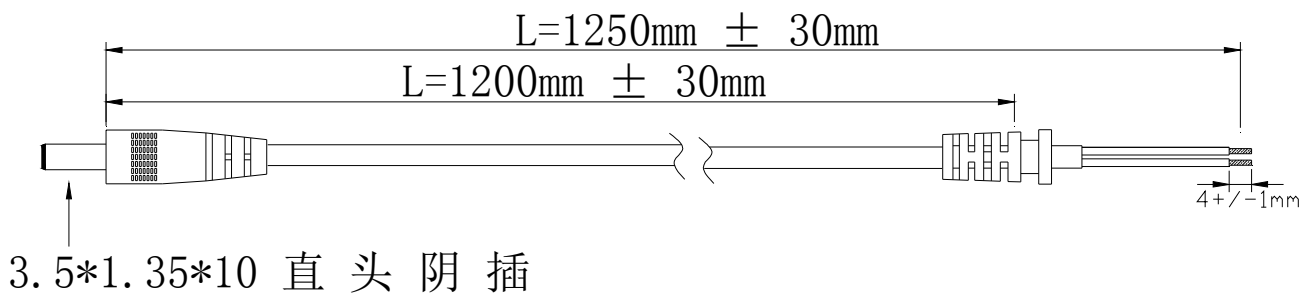


型号:LCF-108转换头

尺寸: 62x39x32mm

S R:5x5mm

9. DC 线示意图



10. I/O Marking Drawing/铭牌示意图

