

东莞台劲电子有限公司

DONGGUAN TYJIN ELECTRONICS CO.,LTD

产品规格书

产品名称: 无线充电器规格书

产品型号: C-056

产品类型: 无线充电器

产品规格: 10W 双线圈

规格书版本: 1.0

规格书发行签核栏			
制作	设计	核准	确认

东莞市台劲电子有限公司

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CHANGE HISTORY (版本變更記錄)

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DESCRIPTION:

Wireless charger

东莞市台劲电子有限公司

Dong Guan Tyjin Electronics Co.,Ltd

Model No.:C-056

DATE	PREPARED	CHECKED	APPROVED	REV : 1.0	頁碼
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1. Power Supply Overview :電性能指標

1.1 Input Electrical Characteristics Overview(輸入特性)

Input voltage range輸入電壓	4.75Vdc to 5.25Vdc;8.5Vdc to 9.45Vdc;
Normal voltage range 標稱輸入	5Vdc/ 9Vdc
Max input ac current滿載輸入電流	2Amax at full load condition
Standby Current Loss待機電流	≤60mA

1.2 Output Electrical Characteristics Overview(輸出特性)

full load outputl voltage輸出電壓	4.75Vdc to 5.25Vdc;8.5Vdc to 9.45Vdc;
outputl voltage標稱輸出	5Vdc/ 9Vdc
output current滿載輸出電流	950mA-1050mA
full load efficiency滿載效率	Full load efficiency of 70 % or more
Output total Power輸出總功率	10W



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1.3. Protection:(保護功能)

1.3.1 Input Over Voltage Protection. (輸入過壓保護)

input Voltage	Max .Over Voltage	Comments
+5V/9V	+10V	Power shutdown lockup 電源關機鎖死

Note: The power supply shall be test at max DC voltage and min load or no load.

應該在最大直流輸入電壓和輕載、空載下測試

1.3.2 Output Over current Protection. (輸出過流保護)

Output Voltage	Over current	Comments
+5V/9V	1.1-1.25A	Auto recovery 保護後重起

Note: The over current protection should be test at other of dc output at Rated load

過流保護測試是在其額定負載時測試.

1.3.3 Output Short Circuit Protection(輸出短路保护) .

Output Voltage	Comments
+5V/9V	Auto recovery 保護後重起

1.3.4 Output Foreign body detection (异物检测) .

Output	Comments
Detection of metal foreign bodies (1元硬幣)	Coil center and center 4 mm shift can not charge, limit power output, output green light flash.

1.3.5 Output over temperature protection (輸出過温保护) .

Output	Comments
Output over temperature	When the temperature rises to 60 degrees , the machine stops working without output.

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1.4. LED indicator:(LED指示)

1.4.1 Electrical instructions (通电指示) .

Input	Comments
+5V/9V	When the power input is applied, the charging lamp flicker two times and then extinguish. The power lamp is always bright.接电输入时充电灯闪烁两次后熄灭, 电源灯常亮

1.4.2 Empty instructions (空载指示) .

Output	Comments
+5V/9V	Power lights are often litt.电源灯常亮

1.4.3 Charging instructions (充电指示) .

Output	Comments
+5V/9V	When the wireless power is output, the power lamp will go off and the charging lamp will breathe brighter. 无线充电输出时电源灯熄灭, 充电灯呼吸常亮

1.4.4 Cell phones are charged(充满指示).

Output	Comments
+5V/9V	Rechargeable batteries are often brighter when the radio is full无线充电充满时充电灯常亮

1.4.5 Foreign body detection(异物检测).

Output	Comments
+5V/9V	Charging lamp flash when metal foreign body is blocked有金属异物阻挡时充电灯快闪

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2. Phone charge (手机充电)

2.1.1 Deblocking (解锁)

Output	Comments
+5V 9V/1A	When the normal charging can unlock, no insensitive phenomenon (正常充电时可以解锁, 无不灵敏现象。).

2.1.2 Interference (屏幕干扰)

Output	Comments
+5V 9V/1A	Charging does not Flash screen, alphanumeric touch sensitive (充电时不闪屏, 字母数字触摸灵敏。).

2.1.3 Offset (偏移充电)

Output	Comments
+5V 9V/1A	Six millimeters away from the center. (偏移中心六毫米可以正常充电) .

Remarks: The current can not increase sharply and the temperature can not increase sharply when shifting the charge (偏移充电时电流不可以急剧增大, 温度不能急剧增加) .

2.1.4 Full charge. (完美充电)

Output	Comments
+5V 9V/1A	The Iphone can be recharged and activated from 1 % to 100 %, and the entire charging process can not be turned off. (Iphone关机可以充电激活, 从百分之一可以充到百分之百, 整个充电过程不能断电。).

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2.1.5 Recharging (反复充电)

Output	Comments
+5V 9V/1A	Can not have charging power, Circuit damage, crash phenomenon. (不可以有充不上电, 电路损坏, 死机现象).

Remarks: Take a random sample and test it a hundred times.

2.1.6 Corner charge (手机旋转角度充电)

Output	Comments
+5V 9V/1A	Cell phones can be recharged at a normal rotation angle. (手机旋转角度可以正常充电).

Remarks: support three stars S8, Iphone 8, Iphone 8plus, Iphone X.

2.1.7 Fast charge time (快速充电时间)

Output	Comments
+5V 9V/1A	The time it takes for a mobile phone to increase by 1 % from 30 %. (手机从百分之三十电量时上升百分之一需要的时间。).

Remarks: Remarks: the output 5-watt charging time standard is 210 seconds, the phone receiving coil is aligned with the launch coil, with the iPhone exs8 phone as the standard. (备注: 输出5瓦充电时间标准为210秒, 手机接收线圈对准发射线圈, 以iphonexs8手机为标准).

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3. Environmental Requirement(工作環境)

3.1 Temperature(環境溫度)

*Operating工作溫度: -10℃ to +40℃

*Store存儲溫度: -20℃ to +60℃

3.2 Humidity(環境濕度)

*Operating工作濕度: From 10% to 90% relative humidity, (non-condensing).

*Store存儲濕度: From 5% to 95% relative humidity, (non-condensing).

3.3 Altitude(海拔高度)

* Operating: to 1000 m

* Store: to 1000m.

4. Dimension(物理尺寸)

***75x75x103mm(長L*寬W*高H)**

5. Weight(重量) (90±10g)

6. Mic Inlet:

7. Output coil(輸出線圈): 磁片 : 外徑93*51.5(±0.5)mm , 厚度1.0±0.3mm ; 線圈 : 0.08mm(2UEW)*105P*9Ts ,

感量 : L1=7.0~7.3uH(Q值67min) L2=6.8~7.1uH(Q值67min) 雙繞組 出線長度40mm , 出線間距20mm ; 電氣 :
(測試條件 : 100KHZ , 1V) 輸入電壓5V , 感量 : 6.3UH , 直流電阻65毫歐MAX, 出線處磁芯 背雙面膠。

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8.Product appearance diagram产品外观图



表面处理：

- 1.前盖：塑胶，细纹
- 2.后盖：塑胶，细纹
- 3.面壳：塑胶，细纹
- 4.底壳：塑胶，细纹
- 5.灯罩：塑胶，半透明
- 6.防滑垫：硅胶，磨砂
- 7.防滑脚垫：硅胶，磨砂

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