

 厦门新页科技有限公司 Xiamen Newyea Science and Technology Co.Ltd	地址：中国·厦门市思明区金山路8号 Tel：+86-0592-6882776 www.xmnewyea.com	REVISION (版本)	Rev 1.1
		DATE (日期)	2016.12.28
Product Name 产品名称	5W 单线圈 最薄(TX)	PART NUMBER (产品型号)	NT1005B

APPROVAL SHEET

(承认书)

FOR
WIRELESS CHARGER
(无线充)

MODEL NO.
(型号)

NT1005B

EDIT (制订)	CHECK (审核)	APPROVAL (批准)

CUSTOMER APPROVAL (客户承认)	Stamp (签章)

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REVISION CHANGE DESCRIPTION (版本变更描述)

REV (版本)	UPDATE (变更)	DETAIL (详述)	DATE (日期)
Rev 1.0	/	/	2016.08.15
Rev 1.1	更新	老化测试、插拔实验	2016.12.28

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1. Apply Scope (适用范围)

This specification shall be applied to Wireless charger 5V,1A.Sensing distance of less than 10mm 本规格适用于 5V/1A 无线充电器。感应距离 \leq 10mm。

2. Environment Protection Laws (符合的环保法规)

- RoHS REACH CPSIA
EN71 PHTHALATE HALOGEN

3. According with Safety and EMC Criterion (符合的安全及电磁兼容标准)

- EN60950-1 EN61558-1 EN60065-1 EN55022
UL60950-1 UL1310 UL60065-1 EN55024
GB4943.1-2011 GB9254-2008 WPC1.2

4. Safety and EMC Approval (符合的安全及电磁兼容标准)

- CB TUV/GS CE PSE UL FCC
SAA C-tick KC CCC TLC E-mark

5. Electrical Characteristic (电气特性)

Test Circuit (测试电路)

If the test is to be made on a specified circuit, be sure to use the following circuit.

(无特殊规定的情况下依照下面的电路进行测试.)



工作模式：电磁感应式（单线圈） 工作协议：WPC1.2 工作频率：110-205KHz

输入：5V/1.5A 以上 输出：7W(标准接收 5V/1A)

有效工作距离： \leq 10mm（推荐工作距离 3-5mm）

智能/异物检测：支持

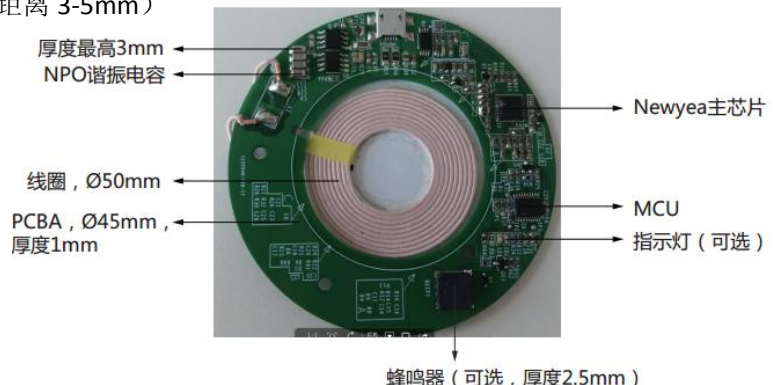
过流保护：支持

过温保护：支持（可设置）

指示灯：支持（可选）

蜂鸣器：支持（可选）

支持认证：Qi、CE、FCC、RoHS



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6. Input Characteristics (输入特性)

6.1 Rated Input Voltage (额定输入电压)

Rated input voltage is 5Vdc

(额定输入直流 5V)

6.2 Input Voltage Range (输入电压范围)

Input voltage range is from 4.75Vdc to 5.25Vdc.

(输入电压范围直流 4.75V~5.25V)

6.3 Input Frequency (输入频率)

It is normal for 50Hz or 60Hz and single phase.

(输入频率 50Hz/60Hz)

6.4 Steady DC Current (DC 输入电流)

Maximum steady state input current is 1.5A (Min) Measured at 5Vdc input and maximum load.

(5V 满载时输入电流 1.5 A (Min))

6.5 Standby (待机功耗)

The input power shall be less than 0.3W at 115Vac and 230Vac input.

(在输入电压 115V 和 230V 时待机功耗小于 0.3W)

6.6 Efficiency (效率)

The efficiency is 72% Min (not including the adaptor loss)

效率不低于 72%(不包括适配器损耗)

7. Output Characteristics (输出特性)

7.1 Rated Output Voltage (输出额定电压)

The rated output voltage is specified at **5V**

(额定输出电压 5V)

7.2 Output Voltage (输出电压范围)

No load voltage (空载输出电压范围): **4.75V ~ 5.25V**

Full load voltage (满载输出电压范围): **4.75V ~ 5.25V (I=1000mA)**

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7.3 Rated Output Current (额定输出电流)

The output current will be performed from **0mA~1000mA** at CC
 (在 CC:模式下,额定输出电流 0mA~1000mA)

7.4 LED Lights Instruction (LED 显示说明)

7.4.1 In the case of standby LED Long bright (red)

待机情况下 LED 长亮 (红灯)

7.4.2 Under the normal work of LED Long bright (blue)

正常工作下 LED 长亮 (蓝灯)

7.5 Protection (保护)

7.5.1 Over temperature Protection (过温保护)

Working temperature should be lower than 70 °C
 (工作保护温度 70 °C)

7.5.2 Short Circuit Protection (短路保护)

Output short-circuit when the charger output hiccup mode
 (输出短路时充电器输出打嗝模式)

8. Reliability Items (信赖性项目)

8.1 Aging Test (老化测试)

At normal temperatures, with full load operation for 96 hours, performace will be normal
 (常温常环境下,满载工作 96 小时,性能正常)

9. Mechanical Requirement (机械要求)

9.1 Dimension (尺寸)

Ø80*3 mm

9.2 USB Plug Type (USB 接口类型)

Plug: Micro 5pin USB
 (Micro 5pin USB)

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9.3 Insert-extract Test (插拔实验)

Insert in and extract our continuously 1000 times, slight damage in exterior, but unusually electrical function is prohibited.

(连续拔插 1000 次，外观允许有轻度损伤，但不允许有电性能异常)

10. Environmental Performances(环境性能)

10.1 Operating temperature range(工作温度范围)

The product should operate at $-10\sim 55^{\circ}\text{C}$, test of operating for 8 hours at $-10^{\circ}\text{C} \pm 2^{\circ}\text{C}$ and $55^{\circ}\text{C} \pm 2^{\circ}\text{C}$.

(该产品工作温度范围为 $-10\sim 55^{\circ}\text{C}$,低温 $-10^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 和高温 $55^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 工作试验各 8 小时)

10.2 Stored temperature range(存储温度范围)

The product should be stored at $-20\sim 70^{\circ}\text{C}$, test of non-operated for 24 hours at $-20^{\circ}\text{C} \pm 2^{\circ}\text{C}$ and $70^{\circ}\text{C} \pm 2^{\circ}\text{C}$.

(该产品存储温度范围为 $-20\sim 70^{\circ}\text{C}$,非工作状态下进行低温 $-20^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 和高温 $70^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 存储试验各 24 小时)