

 <b>厦门新页科技有限公司</b> 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 最小(TX)	PART NUMBER (产品型号)	
			NT1005A

# APPROVAL SHEET

## (承 认 书)

FOR  
**WIRELESS CHARGER**  
(无线充)

MODEL NO.  
(型号)

NT1005A

EDIT (制订)	CHECK (审核)	APPROVAL (批准)

CUSTOMER APPROVAL (客户承认)	Stamp ( 签章 )

- ◆ **Company Add:** The 11#Floor,Hesheng Building,No.8,Jinshan Road,siming District,Xiamen,China
- ◆ **Tel:** (86-592) 6882776
- ◆ **Fax:** (86-592) 6882986
- ◆ **Website:** <http://www.xmnewyea.com>



**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**

<b>Product Name</b> 产品名称	<b>5W 单线圈</b> 最小(TX)	<b>PART NUMBER</b> (产品型号)	<b>NT1005A</b>
-----------------------------	-------------------------	------------------------------	----------------

**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

 <b>厦门新页科技有限公司</b> 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		<b>REVISION</b> (版本)	Rev 1.1
				<b>DATE</b> (日期)	2016.12.28
<b>Product Name</b> 产品名称	<b>5W 单线圈</b> <b>最小(TX)</b>	<b>PART NUMBER</b> (产品型号)		<b>NT1005A</b>	

## CONTENTS

<b>1. Apply Scope (适用范围)</b> .....	<b>4</b>
<b>2. Environment Protection Laws (环保法规)</b> .....	<b>4</b>
<b>3. According with Safety and EMC Criterion (符合的安全及电磁兼容标准)</b> .....	<b>4</b>
<b>4. Safety and EMC Approval (已认可的安全及电磁兼容标准)</b> .....	<b>4</b>
<b>5. Electrical Characteristic (电气特性)</b> .....	<b>4</b>
<b>6. Input Characteristics (输入特性)</b> .....	<b>5</b>
6.1 Rated Input Voltage (额定输入电压) .....	5
6.2 Input Voltage Range (输入电压范围).....	5
6.3 Input Frequency (输入频率) .....	5
6.4 Steady DC Current (DC 输入电流) .....	5
6.5 Standby (待机功耗) .....	5
6.6 Efficiency (效率) .....	5
<b>7. Output Characteristics (输出特性)</b> .....	<b>5</b>
7.1 Rated Output Voltage (输出额定电压) .....	5
7.2 Output Voltage (输出电压范围) .....	5
7.3 Rated Output Current (额定输出电流) .....	6
7.4 LED Lights Instruction (LED 显示说明).....	6
7.4.1 In the case of standby LED Long bright(red).....	6
7.4.2 Under the normal work of LED Long bright (blue).....	6
7.5 Protection (保护) .....	6
7.5.1 Over temperature Protection (过温保护) .....	6
7.5.2 Short Circuit Protection (短路保护) .....	6
<b>8. Reliability Items (信赖性项目)</b> .....	<b>6</b>
8.1 Aging Test (老化测试) .....	6
<b>9. Mechanical Requirement (机械要求)</b> .....	<b>6</b>
9.1 Dimension (尺寸) .....	6
9.2 USB Plug Type (USB 接口类型) .....	6
9.3 Insert-extract Test (插拔实验).....	6
<b>10. Environmental Performances(环境性能)</b> .....	<b>7</b>
10.1 Operating temperature range(工作温度范围) .....	7
10.2 Stored temperature range(存储温度范围) .....	7

 <b>厦门新页科技有限公司</b> 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		<b>REVISION</b> (版本)	Rev 1.1
				<b>DATE</b> (日期)	2016.12.28
<b>Product Name</b> 产品名称	<b>5W 单线圈</b> 最小(TX)	<b>PART NUMBER</b> (产品型号)		<b>NT1005A</b>	

## 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

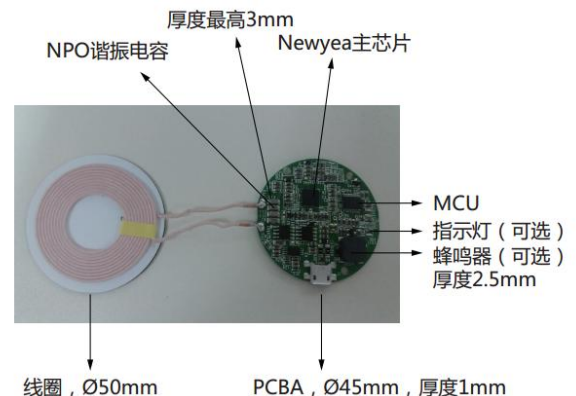
过流保护：支持

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



 <b>厦门新页科技有限公司</b> 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		<b>REVISION</b> (版本)	Rev 1.1
				<b>DATE</b> (日期)	2016.12.28
<b>Product Name</b> 产品名称	<b>5W 单线圈</b> <b>最小(TX)</b>	<b>PART NUMBER</b> (产品型号)		<b>NT1005A</b>	

## 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)**

 <b>厦门新页科技有限公司</b> 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		<b>REVISION</b> (版本)	Rev 1.1
				<b>DATE</b> (日期)	2016.12.28
<b>Product Name</b> 产品名称	<b>5W 单线圈</b> 最小(TX)	<b>PART NUMBER</b> (产品型号)		<b>NT1005A</b>	

### 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, performance 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)

Ø45\*3 mm

### 9.2 USB Plug Type (USB 接口类型)

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

 <b>厦门新页科技有限公司</b> 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		<b>REVISION</b> (版本)	Rev 1.1
				<b>DATE</b> (日期)	2016.12.28
<b>Product Name</b> 产品名称	<b>5W 单线圈</b> <b>最小(TX)</b>	<b>PART NUMBER</b> (产品型号)		<b>NT1005A</b>	

### 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)