

SPECIFICATION FOR APPROVAL

CUSTOMER: _____

MODEL NO: U15QT-7266D/E

PART NO : _____

MODEL NAME: 圓形一體式磁吸無線充電器

REVISION: A1

DATE: _____

APPROVED SIGNATURES

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Model No.	U15QT-7266D/E	Model Name	Wireless charging transmitter
Part No.		Size	$\Phi 58.0^{\pm 0.5} \times T6.0^{\pm 0.5}$ mm

Product Specification

產品規格書

Product name/產品名稱:

圓形一體式磁吸無線充電器

Model No/ 產品型號:

U15QT-7266D/E

File number /文件編號:

Revision/版本號:

A1

Date/日期:



APPROVED BY 批 准	CHECKED BY 審 核	DESIGNED BY 制 作

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Reversion History / 更新記錄:

Revision	Date	Changes
A0	2024-01-24	初版發行
A1	2024-4-10	新增 2.1 Product accessories 产品配件

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1. Scope / 概述

U15QT-7266D/E is a magnetic wireless charging aluminum pad with ring stand. Free position RX for wireless charging when it with magnetic and TX&RX offset will not occur in the whole charging process. The wireless charging pad can be absorbed on the back of iPhone 12 series. The charging pad support iPhone magsafe series mobile phones and airpods wireless fast charging . Please use PD adapter for power in.

U15QT-7266D/E产品是一款铝合金带支架的磁吸功能无线充电板，当RX端也支持磁吸功能时可以随意放置即可让TX&RX线圈进行无缝对接并保持通讯，而且在整个充电过程不会发生TX&RX偏移现象，该产品仅兼容iPhone系列及带磁吸功能的手机&苹果耳机，并且支持PD适配器输入。

2. Product Characteristic / 產品特點

- ◆ Support iPhone magsafe series mobile phones wireless fast charging.
支持 iPhone 系列及带磁吸功能手机无线快充
- ◆ Support wireless charging for Apple Airpods
支持苹果耳机无线充电功能。
- ◆ Comes with TYPE_C line input.
自带 TYPE_C 线输入
- ◆ Meets Qi 1.3.2 certification requirements and is compatible with Samsung[®] and iPhone[®] mobile fast charging .
符合 Qi 1.3.2 認證要求並相容 三星[®] 和 iPhone[®] 手機快速充電；

2.1 Product accessories 产品配件

料号 Part number	产品叙述 Description	图片 Photo	备注 Remarks
UNIPA-2184	PD 20W Adapter		
UNITD-7312	Plating Black Metal Ring		

3. Performance Parameter / 性能參數

3.0	Power input protocol / 電源輸入協定	QC3.0 / PD3.0 / DC9.0V
3.1	Input voltage & current / 輸入電壓電流	8.90~9.50V * 2.0A

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3.2	Working voltage¤t / 工作電壓電流	8.90~9.50V / 0.03~1.75A Max
3.3	Wireless charging output power 無線充電輸出功率	5W/7.5W/10W/15W
3.4	Power Transfer Efficiency / 轉換效率	70% Max
3.5	5W/10W/15W Frequency / 5W/10/15W 頻率	frequency conversion 110KHz-205KHz / 变频 110KHz-205KHz
3.6	Apple 7.5W frequency/苹果 7.5W 频率	Constant frequency 127.7KHz 定频 127.7KHz

3.7	Ripple noise / 紋波及噪音	$\leq 5\%$
3.7	Operating temperature / 工作溫度	5-25°C
3.8	Relative humidity / 相對濕度	40%~60%

4. Safety Control / 安全機制

4.1 Short Circuit Protection / 短路保護

When the output end of receiver is short-circuited to the ground, abnormal data packets are sent to the transmitter, and the transmitter stops output to protect the receiving device from being damaged(This feature requires that the receiver must comply with the protection mechanism of the Qi specification) .

當接收器的輸出端對地短路時，發送異常數據包到發射器，發射器停止輸出，保護接收設備不被損壞（此功能要求接收器必須符合 Qi 規範的保護機制）。

4.2 Over Current Protection/過流保護

OCP Point Limited:110%~130% auto restart

OCP 限制：110%~130%自動重啟

When the output power of receiver exceeds its Limit, the abnormal data packet is sent to the transmitter, the transmitter stops output, and the receiving device is protected from damage (this function requires the receiver to comply with the protection mechanism of Qi specification)..

當接收器的輸出功率達到其 OCP 保護閥值時，發送異常數據包到發射器，發射器停止輸出，保護接收設備不被損壞（此功能要求接收器必須符合 Qi 規範的保護機制）

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4.3. Foreign Object Detect (FOD) (1 RMB coin as the standard.)

異物檢測（以一元 RMB 硬幣為標準。）

4.3.1 When unloaded, place the product center, the transmitter detects a foreign body and reports an error, and stops working; Removing the foreign object will restore normal work.

空載時放置產品中心，發射端檢測到異物並報錯，停止工作；移除異物可恢復正常工作。

4.3.2 When the load and the coin are placed together in the product center, the error is reported within 10 seconds (the time varies with different phone models) and the output is closed, and the foreign matter can be removed to resume normal work.

負載和硬幣一起放置產品中心時，10 秒（不同手機型號時間不同）之內報錯並關閉輸出，移除異物可恢復正常工作。

4.4. Over-temperature Protection/過溫保護

4.4.1. Wireless charging over-temperature protection/無線充電過溫保護

PCBA patch NTC temperature protection set value is $80^{\pm 5}\text{ }^{\circ}\text{C}$, when the temperature exceeds the set value, the transmitting end stops working; When the temperature of the test point drops to $60^{\pm 5}\text{ }^{\circ}\text{C}$, the transmitter will return to normal operation. (Optional replacement with external NTC)

PCBA 貼片 NTC 溫度保護設定值為 $80^{\pm 5}\text{ }^{\circ}\text{C}$ ，當溫度超過設定值，發射端停止工作；當測試點溫度下降至 $60^{\pm 5}\text{ }^{\circ}\text{C}$ 時，發射器恢復正常工作。（可選擇更換成外接 NTC）

5. Reliability Requirements / 可靠性要求

5.1. Reliability Test/可靠性測試

Please refer to Link Com's reliability standard and reliability test Report.

請參考聯寶標準《可靠性測試規範》與《可靠性測試報告》

6. Environment Requirement / 環境要求

6.1 Operating Temperature and Relative Humidity/操作溫度和相對濕度 $5^{\circ}\text{C}-25^{\circ}\text{C}$ / RH40~60%

6.2 Storage Temperature and Relative Humidity/儲存溫度和相對濕度 $0^{\circ}\text{C}-35^{\circ}\text{C}$ / RH20~80%

6.2.1 Avoid direct exposure to the storage environment, and do a good temperature and humidity control, room temperature should be controlled at $5^{\circ}\text{C}-25^{\circ}\text{C}$, relative humidity RH40~ 60%. In order to maintain good functionality of the product, please observe the following storage conditions. 儲存環境應避免產品受陽光直接照射，並作好溫濕度管控，室溫宜控制在

$5^{\circ}\text{C}-25^{\circ}\text{C}$ / RH40~60%。為使產品維持良好之功能性，請確實遵守以下保存條件

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6.2.2 Keep away from high humidity, salt spray or oil spray. 儲存需避開高濕，鹽霧或油霧之環境

When storing, the storage environment temperature should be avoided too drastic, and the humidity should be avoided too high or too low. High humidity and large temperature difference tend to cause water Vapor condensation phenomenon, too low humidity easily cause the high electrostatic strength. Therefore, humidity will cause the electron ionization, and eventually cause the product

functional abnormalities. 儲存時應避免儲存環境溫度變化過於激烈，同時避免濕度過高或過

低。濕度過高和溫差過大容易導致水 蒸氣凝結現象，濕度過低容易導致靜電強度過高。故濕

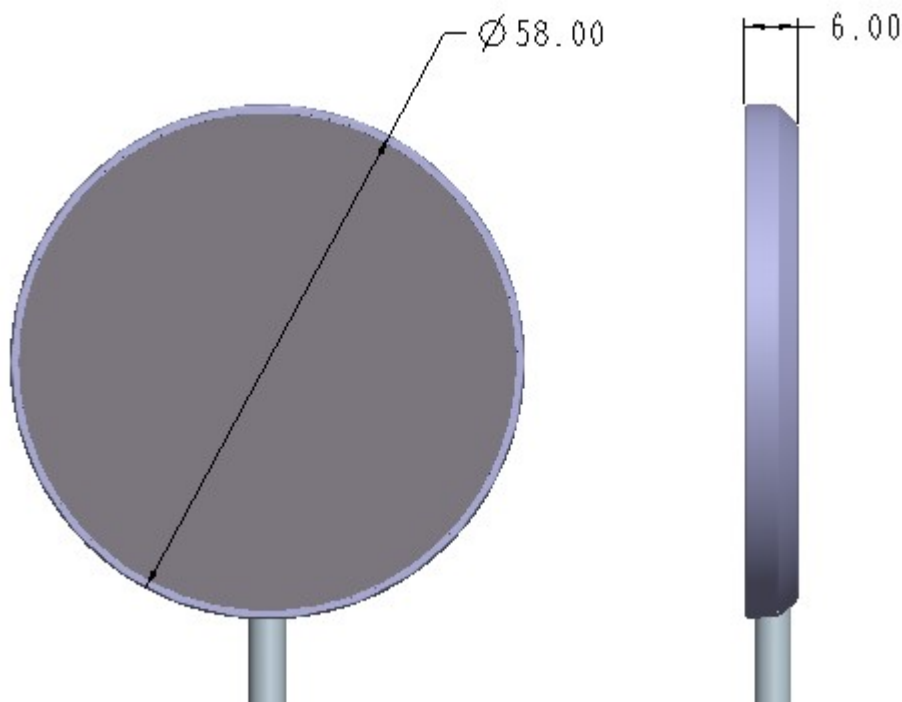
度會造成電子遊離，最終導致產品功能性異常。

7. Execution Standards/執行標準

7.1. EMC Standards 電磁相容標準

EN55032	EN55035
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8. Photo of Product/產品照片



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9. Attentions 使用注意事項

- ◆ Please use the correct rated AC Adapter, to ensure the normal function.
請使用配置的正确規格火牛，保證功能正常；

10. Size / 尺寸:

Size: $\Phi 58.0^{\pm 0.5} \times T6.0^{\pm 0.5} \text{ mm}$

11. Weight / 重量

$50^{\pm 5} \text{ Gs}$

12. Statement / 聲明

All rights reserved by LinkCom Manufacturing Co., Ltd. for all of this specification for approval.
About warranty, please refer to LinkCom company warranty policy.