

SPECIFICATION FOR APPROVAL

CUSTOMER: _____

MODEL NO: Qi2QT-7457

PART NO : ILM Qi2QT-7457C1-XB-1

MODEL NAME: QI2.0 金属直角磁吸无线充

REVISION: A1

DATE: _____

APPROVED SIGNATURES		



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Model No.	QI2QT-7457	Model Name	Wireless charging transmitter
Part No.	ILMQI2QT-7457C1-XB-1	Size	Φ 60 x 7.80mm

Product Specification

產品規格書

Product name/產品名稱:QI2.0金属直角磁吸无线充**Model No/ 產品型號 :**QI2QT-7457**File number /文件編號:****Revision/版本號 :**A1**Date/日期 :**

APPROVED BY 批准	CHECKED BY 審核	DESIGNED BY 製作

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1. Scope/概述



QI2QT-7457 is a Qi2.0 standard aluminum alloy round wireless charger, using the standard Qi2, Magsafe module embedded in the way, in line with Qi2 recognized electrical and magnetic specifications, for Apple magnetic mobile phone to provide up to 15W wireless charging power. QI2QT-7457 adopts the structure of its own power cable to optimize the user experience.

QI2QT-7457 是一款 Qi2.0 標準的鋁合金圓形無線充電器，採用以標準 Qi2、Magsafe 模組嵌入的方式，符合Qi2認的電性及磁吸規範，為蘋果磁吸手機提供最高15W的無線充電功率。QI2QT-7457 採用自帶電源線的結構，優化用戶的使用體驗。

2. Product Characteristic / 產品特點

- ◆ PD3.0 / QC3.0 power communication protocol
PD3.0 / QC3.0 電源通信協議；
- ◆ Compatible with Qi2.0 and Apple Magsafe standard modules
相容 Qi2.0 和 Apple Magsafe 標準模組；
- ◆ The structure of its own power cord
自帶電源線；
- ◆ Simple and practical shape design
簡潔，實用的外形設計。

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
3.1	Input voltage & current / 輸入電壓電流	4.75V~5.25V * 4.5A / 8.55~9.45V * 2.5A
3.2	Working voltage & current / 工作電壓電流	4.75V~5.25V * 1.75A / 8.55~9.45V * 2.38A Max
3.3	Wireless charging output power 無線充電輸出功率	15W Max

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3.4	Power Transfer Efficiency / 轉換效率	75% Max
3.5	Operating frequency / 工作頻率	Frequency range: 110KHz-360KHz / 頻率範圍: 110KHz-360KHz
3.6	Ripple noise / 紋波及噪音	≤ 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

In the case of short-circuit at the receiver output, the transmitter stop output. When removed the receiver or short circuit, the transmitter will resume normal operation.

在接收端輸出短路的情況下，發射端停止輸出。當移除接收或者短路解除時，發射端將恢復正常工作。

4.2 Over Current Protection/過流保護

When the receiver load exceeds the rated value(110% - 130%), the overcurrent protection is triggered and the transmitter stops working. When removed the receiver, the transmitter will resume normal operation.

當接收器負載>額定值的 110% - 130%時，觸發過電流保護，發射端停止工作，當接收器被移除時，發射端將恢復正常工作。

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 placing the coin onto the center of the product under no-load condition, the transmitter detected foreign object and reports an error, then stops working. Removes the foreign object to resume normal operation .

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 placing the load and coin together onto the center of the product, an error is reported within 10s (time varies with different mobile phone models) and the output is closed.

Removes the foreign object to resume normal operation.

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

The NTC temperature protection of the PCBA is 65 °C± 5 °C. The transmitter stops working

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when the temperature exceeds the value. Resets the receiver or cools to 40-50°C, the transmitter returns to normal operation

PCBA 貼片 NTC 溫度保護設定值為 65°C±5°C, 當溫度超過設定值, 發射端停止工作, 重新放置接收或者降溫至 40-50°C時,發射器恢復正常工作.

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/操作温度和相对湿度 5°C-25°C 40%RH to 60%RH

6.2 Storage Temperature and Relative Humidity/儲存温度和相对湿度

6.2.1 Avoid direct exposure to the storage environment, and do a good temperature and humidity control, room temperature should be controlled at 0°C-35°C, relative humidity RH20~ 80%. 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 0°C-35°C, 相對濕度 RH20~80%。為使產品維持良好之功能性,請確實遵守以下保存條件

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。故濕度會造成電子游離, 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

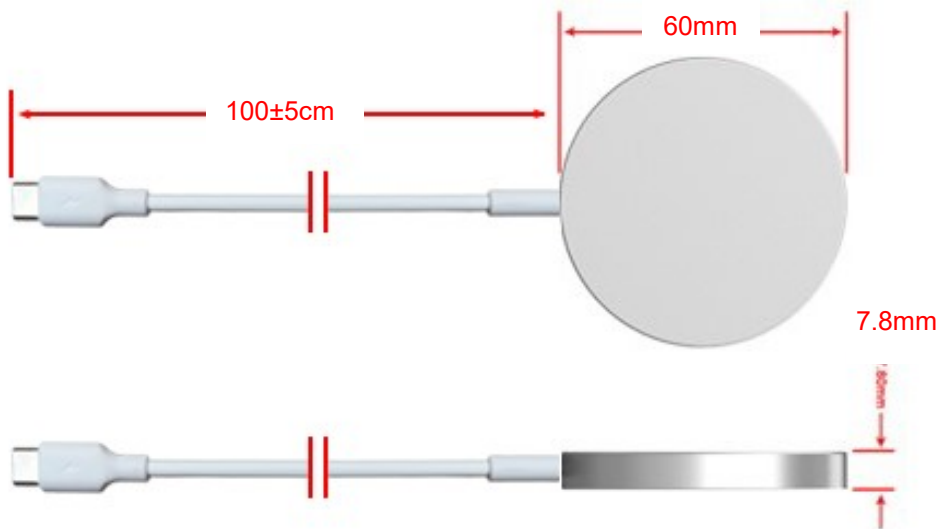
EN55032	EN55035
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8. Attentions 使用注意事項

- ◆ 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；

9. Size / 尺寸: Φ 60 x 7.80mm (±1.0mm)



10. Weight / 重量

70±5g

11. 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.