

SPECIFICATION FOR APPROVAL

CUSTOMER: _____

MODEL NO. : _____ U15QT-7277&7423 _____

PART NO. : _____ SBM-U15QT7277C-U-01 _____

MODEL NAME: _____ Iphone12 series magnetic suction frame _____

REVISION: _____ A1 _____

DATE: _____

APPROVED SIGNATURES

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Model No.	U15QT-7277&7423	Model Name	Iphone12 series magnetic suction frame
Part No.	SBM-U15QT7277C-U-01	Size	59*59*8.1mm

Product Specification

產品規格書

Product name/產品名稱: Iphone12磁吸无线车架

Model No/ 產品型號: U15QT-7277&7423

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

Model No.	U15QT-7277&7423	Model Name	Ipone12 series magnetic suction frame
Part No.	SBM-U15QT7277C-U-01	Size	59*59*8.1mm

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Reversion History / 更新記錄

Revision	Date	Changes
A0	2024-01-23	初版發行
A1	2024-4-10	新增 2.1 Product accessories 产品配件

Model No.	U15QT-7277&7423	Model Name	Ipone12 series magnetic suction frame
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1.Scope/概述

U15QT-7277 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-7277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/产品特点

◆ Support phone magnate series mobile phones wireless fast charging

支持 phone 系列及带磁吸功能手机无线快充

◆ Support wireless charging for Apple Air pods

支持苹果耳机无线充电功能

◆ TYPE_C INPUT

TYPE_C 输入

◆ Support magnetic suction function

支持磁吸功能

2.1 Product accessories 产品配件

料号 Part number	产品叙述 Description	图片 Photo	备注 Remarks
UNICC-7294	PD 20W Type C Car Charger		
UNIPA-8125	Air Vent Clip		
UNIPA-8135	Air Vent Clip		
UNITD-7312	Plating Black Metal Ring		

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3. Performance Parameter/性能参数

3.0	Power input protocol/电源输入协议	PD2.0/PD3.0
3.1	Input voltage & current /输入电压电流	12V/2.0A
3.2	Working voltage current/工作电压电流	12V/1.85A
3.3	Wireless charging output power /无线充电输出功率	5W/7.5W/10W/15W
3.4	Power Transfer Efficiency/转换效率	70%±5%
3.5	5W/10W/15W Frequency /5W/10/15W 频率	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/纹波及噪音	≤100mV _{p-p}
3.8	Operating temperature/工作温度	0-40℃
3.9	Relative humidity/相对湿度	10%~80%

4. Safety Control/安全机制

4.1. Short Circuit Protection/短路保护

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

在接收端输出短路的情况下，发射端红色指示灯亮并停止输出。当移除接收或者短路解除时，发射端将恢复正常工作。

4.2. Over Current Protection/过流保护

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

当接收器负载 > 额定值的 110% - 130% 时，触发过电流保护，发射端停止工作，当接收器被移除时，发射端将恢复正常工作。

4.3. Over-temperature Protection/过温保护

4.3.1. Wireless charging over-temperature protection/无线充电过温保护

The NTC temperature protection of the PCBA is 80 °C ± 5 °C. The transmitter stops working when the temperature exceeds the value. Resets the receiver or cools to 55-60°C, the transmitter returns to normal operation (optional replacement with external NTC)

PCBA 贴片 NTC 温度保护设定值为 80°C ± 5°C，当温度超过设定值，发射端停止工作，重新放置接

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收或者降温至 55-60℃时, 发射器恢复正常工作. (可选择更换成外接 NTC)

5. Reliability Requirements/可靠性要求

5.1 For other tests, please refer to Reliability Test Specification and Reliability Test Report.

其他測試請參考《可靠性測試規範》與《可靠性測試報告》

5.2 Burn-in 老化

Burn-in for 2hours under 35℃(±5℃), Nominal input voltage, Nominal load.

在 35℃(±5℃)的环境下, 额定输入电压, 额定负载, 老化 2 小时

6. Environment Requirement/环境要求

6.1. Operating Temperature and Relative Humidity 操作温度和相对湿度

0℃-40℃ 20%RH to 80%RH

6.2. Storage Temperature and Relative Humidity 储存温度和相对湿度

-20℃ to +60℃ 10%RH to 90%RH

7.Execution Standards/执行标准(Compatible with these specifications)/

7.1.EMC Standards 电磁兼容标准

EN55032	EN55035	FCC-Part15
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8. Attentions 使用注意事项

- ◆ Please use the correct rated AC Adapter, to ensure the normal function.

请使用配置的正确规格火牛, 保证功能正常;

Support phone magnate series mobile phones wireless fast charging.

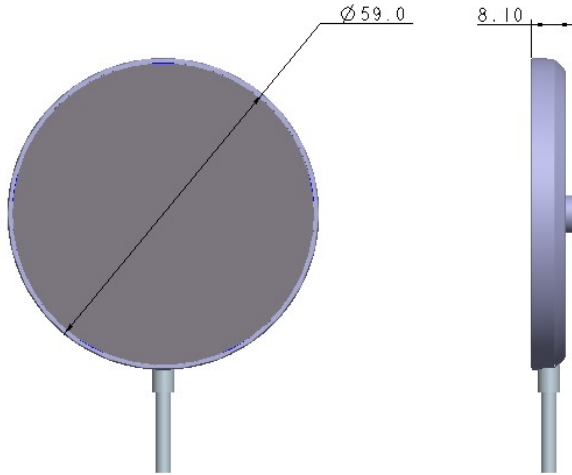
本产品支持 I Phone 系列和带磁吸功能的手机进行无线充电功能

- ◆ Supports wireless charging for Apple headphones.

支持苹果耳机无线充电功能

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9. Size尺寸: $\phi 59*8.1\text{mm}$ (公差 $\pm 0.2\text{mm}$)



10. Weight 重量

$67 \pm 3\text{g}$

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.
