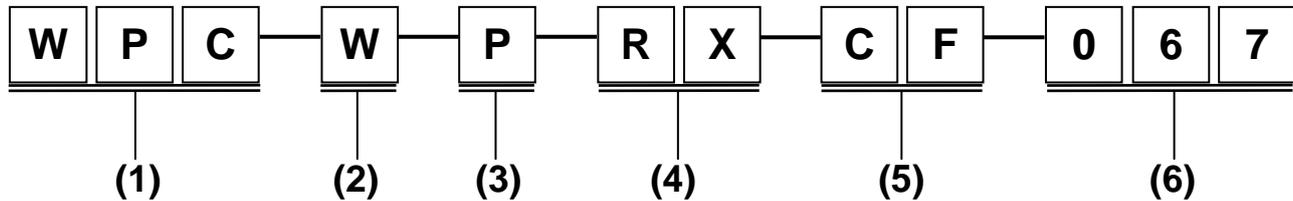


# WPC-W-P-RX-CF-067 Specification

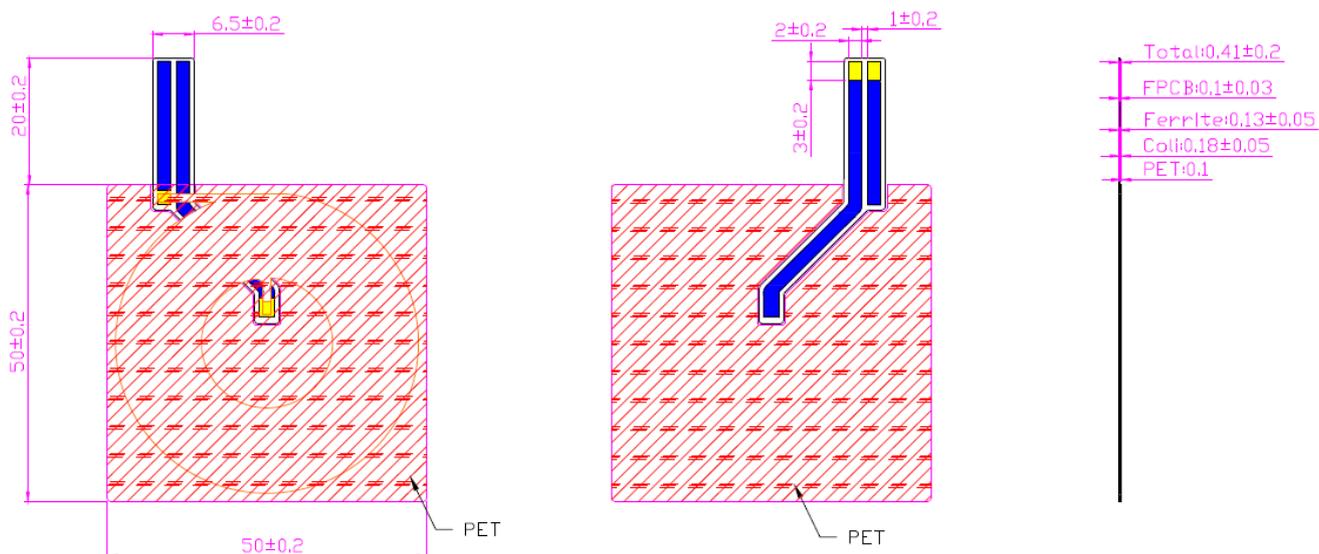
## 1. Explanation of Part Number :



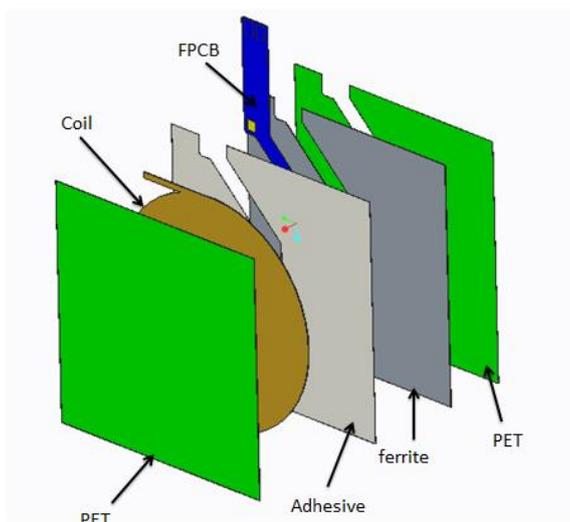
- (1) Product type : Wireless Power Charging
- (2) Mode : WPC
- (3) Active or passive : Passive
- (4) Type : Power Receiver
- (5) Antenna material or type : Coil +Ferrite
- (6) Suffix : Serial number

UNLESS OTHER SPECIFIED TOLERANCES ON : X=±                  X.X=±                  X.XX=± ANGLES=±                  HOLEDIA=±			<b>INPAQ TECHNOLOGY CO., LTD.</b>
SCALE : N/A	UNIT : mm	THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION	
DRAWN BY:廖偉廷	CHECKED BY:鄭榮謀	DESIGNED BY:曾國恒                  APPROVED BY:吳金依	
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		SPEC REV. <b>P2</b>	

### 2. Dimension:



### 3. Solid picture and Material list:



Index	Item	Description	Color	Q'ty
1	PET	D50x50x0.1mm	White translucency	1
2	Coil	UEW	Copper	1
3	FPCB	D31.93x19.83x0.1mm	Black	1
4	Adhesive	D50x50*0.03mm	White translucency	1
5	Ferrite Core	D50x50*0.09mm , Nano 4Layers	Black	1
6	PET	D50x50*0.01mm	Black	1

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ANGLES=±            HOLEDIA=±



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### 4. Coil Specification:

- a.) WIRE DIAMETER :UEW
- b.) LAYERS : 1 LAYER

### 5. Test Condition:

#### 5.1 Test Equipment

NO	ITEN	Maker/Part name	Remark
1	LCR Meter	WAYNE KERR 6500B	L/Q/Rdc Tester
2	Test Fixture	WAYNE KERR FIXTURE 20A 1030	
3	Calibration Kit	INPAQ Internal	

#### 5.2 Electrical Specification

Coil		
Test Item	Test Condition	Specification
Inductance	100K Hz, 1V	8.0 uH±10%
Q value	100K Hz, 1V	20 Min
DCR	1Hz@25°C	200 mΩ Max



FLQ(100K~200K)

UNLESS OTHER SPECIFIED TOLERANCES ON :

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ANGLES=±      HOLEDIA=±

SCALE : N/A      UNIT : mm

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**6. Reliability Test:**

NO	ITEM	Condition	Characteristics	Remark
1	High Temp. Storage Test	Initial value measured at standard test condition. Test Conditions: 85 ±5 °C, 48hr Measuring After 1-2hr at standard conditions.	- No electrical, appearance problem	
2	Low Temp. Storage Test	Initial value measured at standard test condition. Test Conditions: -40±5 °C, 48hr Measuring After 1-2hr at standard conditions.		
3	Temperature cycle Test	Initial value measured at standard test condition. Test Conditions: -40°C, 0.5hr→85°C, 0.5hr Test Cycle: 50 times Measuring After 1-2hr at standard conditions.		
4	High Temp & Humidity Storage Test	Initial value measured at standard test condition. Test Conditions: 85±5°C, 85±5% RH, 48hr Measuring After 1-2hr at standard conditions.		option
5	Salinity	Initial value measured at standard test condition. Test Conditions: 35°C, 5%, 48hr Measuring After 10min at cleaning with flowing water and 24hr at standard conditions.		option

UNLESS OTHER SPECIFIED TOLERANCES ON :

X=±                      X.X=±                      X.XX=±

ANGLES=±                      HOLEDIA=±


**INPAQ TECHNOLOGY CO., LTD.**

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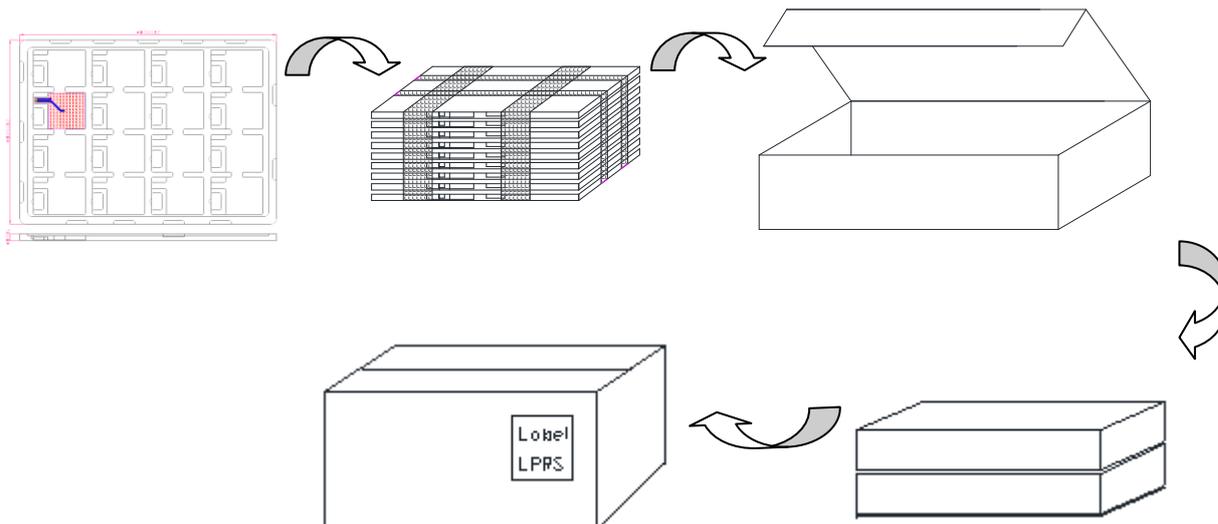
DOCUMENT NO.

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SPEC REV.

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### 7. Package Spec:



A small boxed : 17 pcs Tray + 1 empty Tray (total 18 pcs), total number of samples 16 \* 17 = 272 pcs.  
 A Carton boxed include 2 small boxed, total number of samples 272 \* 2 = 544 pcs.

### 8. Packing Information:

- 1.) Do not apply high mechanical force or damage on the products during attaching process.
- 2.) Do not store in high temperature or high humidity environments.
- 3.) Avoid heat shock, vibration, direct sunlight, etc.
- 4.) Do not store in corrosive gas atmosphere such as one containing sulfurous acid gas or alkaline gas.

### 9. Operating & Storage Condition:

- 1.) OPERATING TEMPERATURE RANGE: -40°C~+85°C
  - 2.) STORAGE TEMPERATURE RANGE: -40°C~+85°C
- 9.1. Recommended storage condition :

Store in room condition as listed below: Temperature -20°C~+45°C, Humidity 80% Max.

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