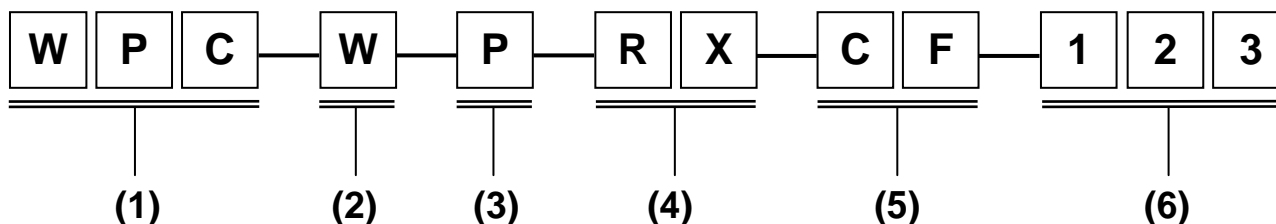


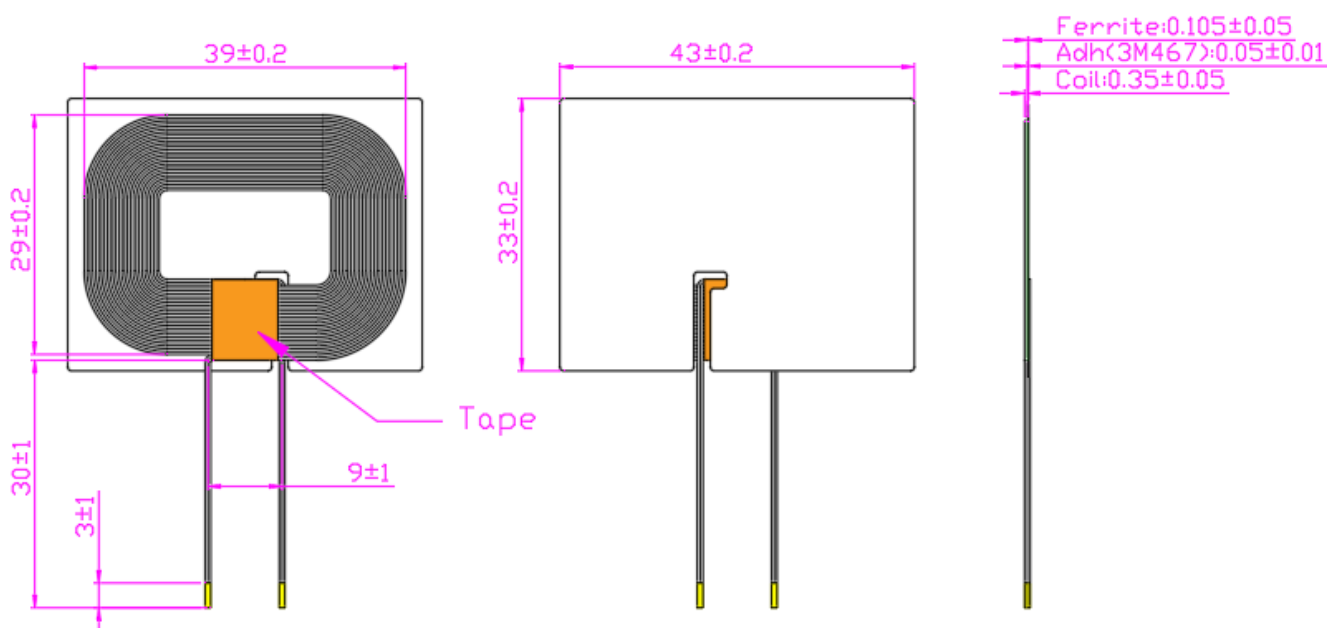
# WPC-W-P-RX-CF-123 Specification

## 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

## 2. Dimension:



UNLESS OTHER SPECIFIED TOLERANCES ON :

X=±      X.X=±      X.XX=±

ANGLES=±      HOLEDIA=±

SCALE : N/A

UNIT : mm

DRAWN BY:周敬晨

CHECKED BY:鄭榮謀

DESIGNED BY:曾國恒

APPROVED BY:吳金依

TITLE : WPC-W-P-RX-CF-123 Specification



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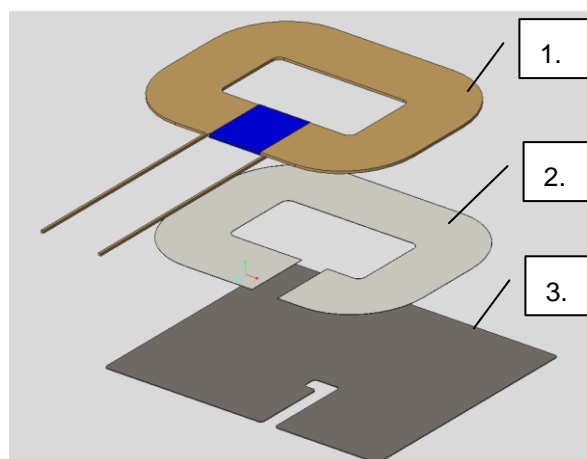
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### 3. Solid picture and Material list:



Index	Item	Description	Color	Q'ty
1	Coil	OD:39x29xT0.35mm	Pastel orange	1
2	Adhesive	3M467_OD:38x28xT0.05mm	Transparent	1
3	Ferrite	NANO 4L 1000u'_D43x33xT0.105mm	Black	1

### 4. Coil Specification:

(1) WIRE TYPE : UEW

(2) 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	9.5uH±10%
Q value	100K Hz, 1V	27 Min
DCR	1Hz@25°C	150mΩ Max

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FLQ(100K~200K)

## 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.		

UNLESS OTHER SPECIFIED TOLERANCES ON :

X=±

X.X=±

X.XX=±

ANGLES=±

HOLEDIA=±



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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

## 7. Package Spec: TBD

## 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.

UNLESS OTHER SPECIFIED TOLERANCES ON :

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

ANGLES=±                      HOLEDIA=±



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