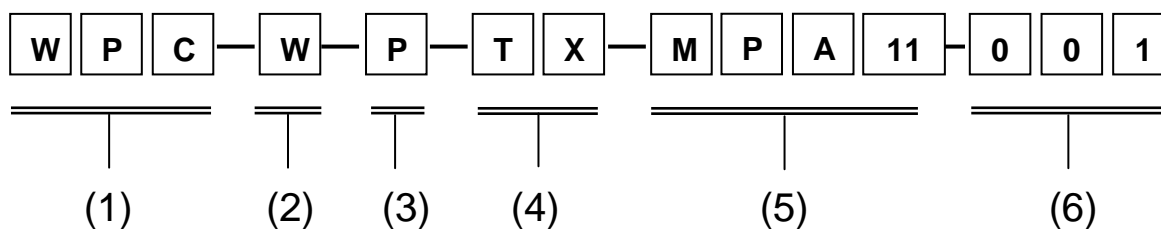


WPC-W-P-TX-MPA11-001 Specification

1. Features and application:

- (1) Wireless Charging Transmitting Coil for A11/A11a/MP-A11 revision.
- (2) Support Baseline Power Profile(BPP) and Extended Power Profile(EPP).
- (3) Block charging flux from sensitive components or batteries.
- (4) Compatible Qi certification 1.2.

2. Explanation of Part Number:



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

UNLESS OTHER SPECIFIED TOLERANCES ON :

$$\mathbf{X}=\pm \quad \mathbf{X.X}=\pm \quad \mathbf{X.XX}=\pm$$

ANGLES=± HOLEDIA=±



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/A

UNIT : mm

DRAWN BY:王聖元

CHECKED BY:吳金依

DESIGNED BY:曾國恒

APPROVED BY:洪碩國

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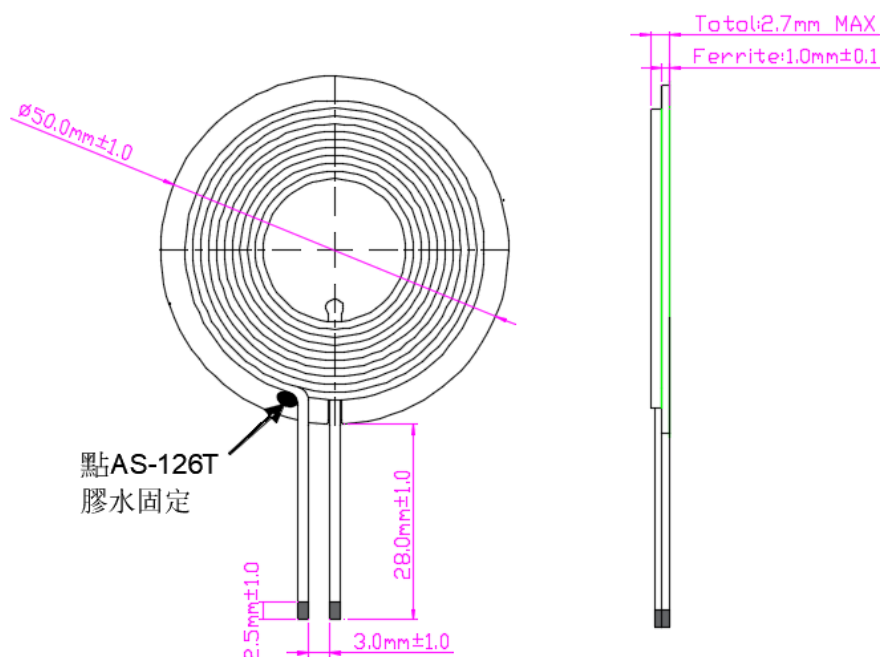
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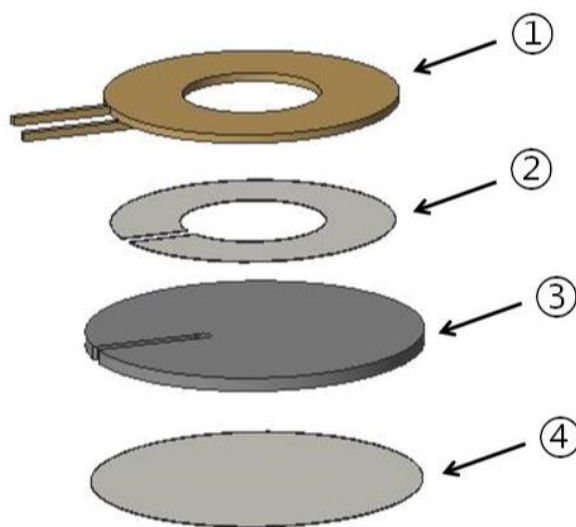
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3. Dimension:



4. Solid picture and Material list:



Index	Item	Description	Color	Q'ty
1	Coil	USTC	Pastel orange	1
2	Adhesive	3M9448, OD43.5x0.15mm	White translucency	1
3	Ferrite Core	$\phi 50.0 \times 1.0\text{mm}$ PC95	Black	1
4	Adhesive	3M9448, OD43.5x0.15mm	White translucency	1

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ANGLES=± HOLEDIA=±



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5. Coil Specification:

a.) WIRE DIAMETER : 0.08 mm x 105P (USTC)

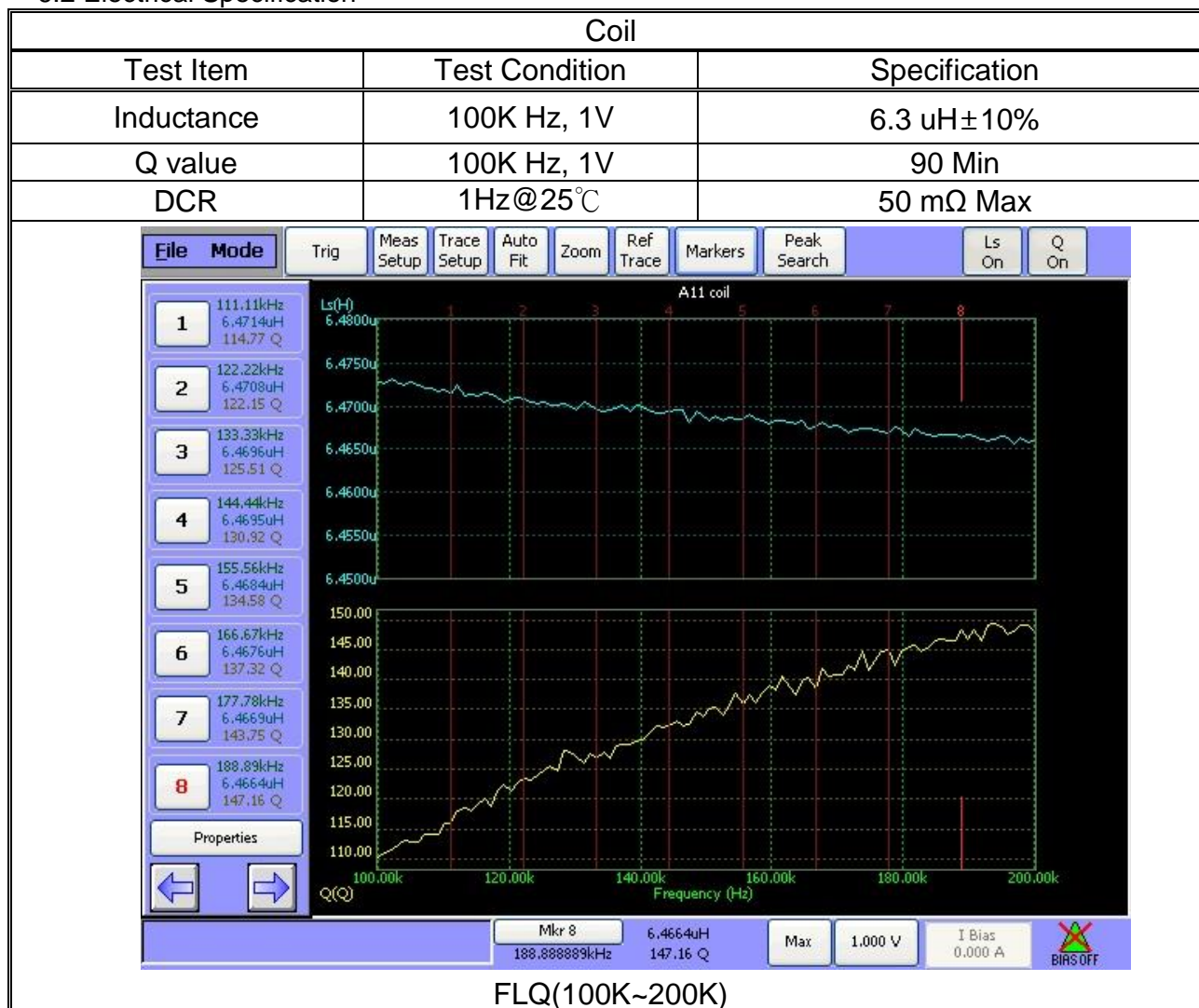
b.) LAYERS : 1 LAYER

6. Test Condition:

6.1 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	

6.2 Electrical Specification



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7. 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=±



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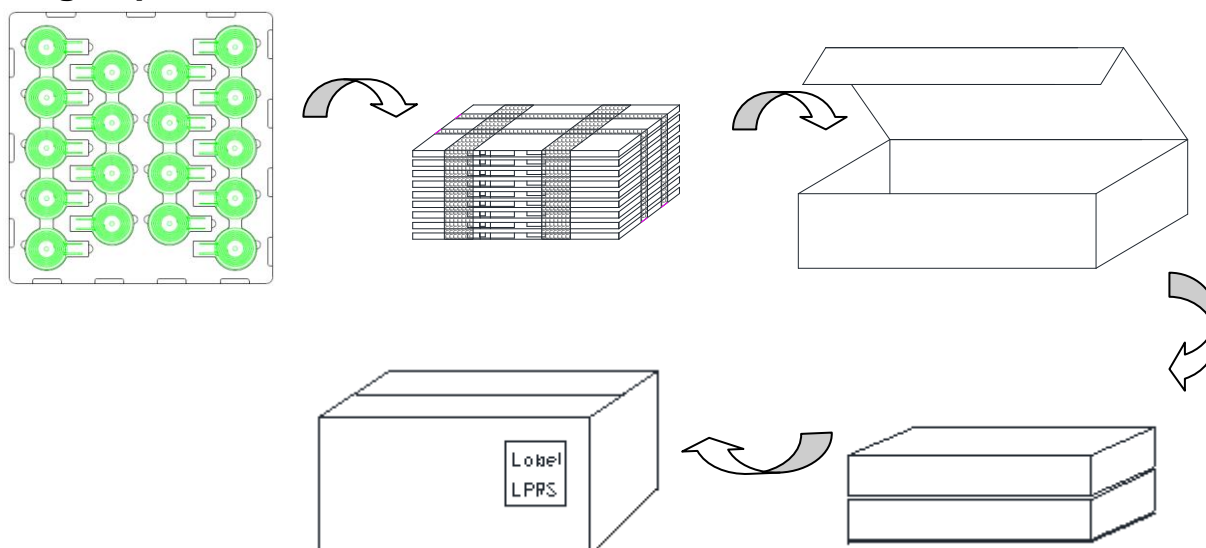
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8. Package Spec:



A small boxed : 18 pcs Tray + 1 empty Tray (total 6 pcs), total number of samples $18 * 5 = 90$ pcs.

A Carton boxed include 2 small boxed, total number of samples $90 * 2 = 180$ pcs.

9. 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.

10. Operating & Storage Condition:

- 1.) OPERATING TEMPERATURE RANGE: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
- 2.) STORAGE TEMPERATURE RANGE: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

10.1. Recommended storage condition :

Store in room condition as listed below: Temperature $-20^{\circ}\text{C} \sim +45^{\circ}\text{C}$, Humidity 80% Max.

11. Certificate:

IATF16949

QC080000

ISO 45001

ISO9001

ISO14001

Can Apply for QI Certified off A11/A11a/MP-A11

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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		
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