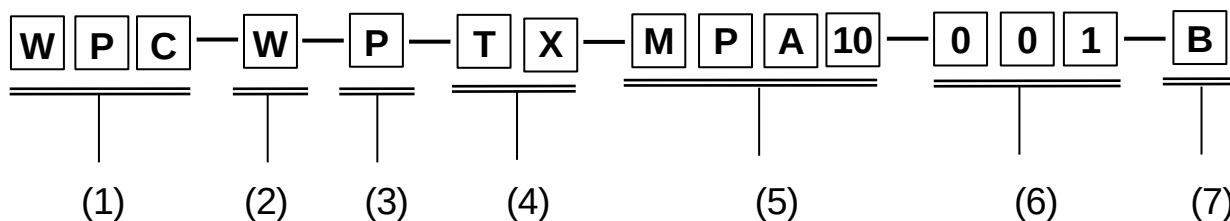


WPC-W-P-TX-MPA10-001-B Specification

1. 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 : Coil Antenna

(6) Suffix : Serial number

(7) Automobile : Before installation

UNLESS OTHER SPECIFIED TOLERANCES ON :

X = ± X.X = ± X.XX = ±

ANGLES = ± HOLEDIA = ±



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SCALE : N/A

UNIT : mm

DRAWN BY : 廖偉廷

CHECKED BY : 鄭榮謀

DESIGNED BY : 曾國恒

APPROVED BY : 洪碩國

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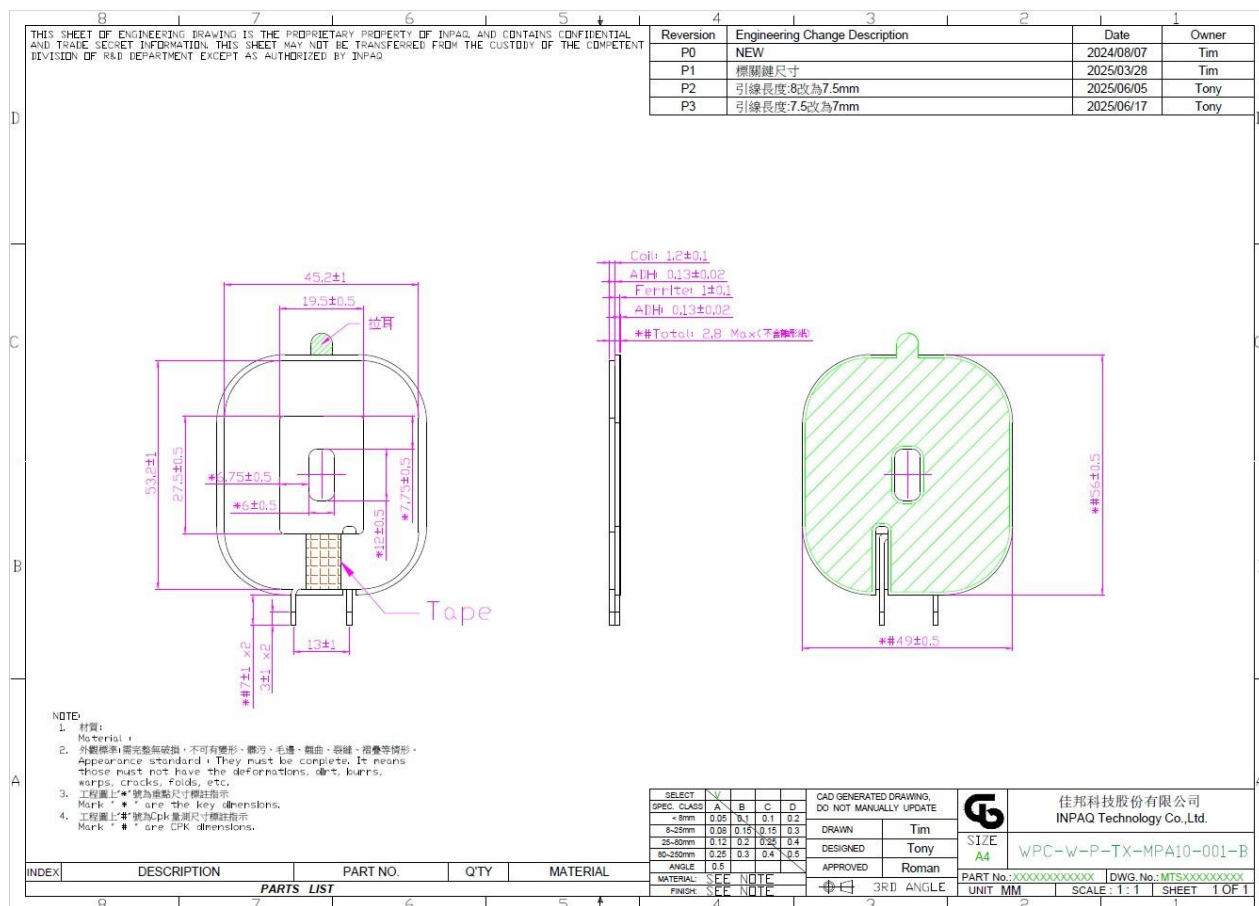
TITLE : WPC-W-P-TX-MPA10-001-B Specification

DOCUMENT
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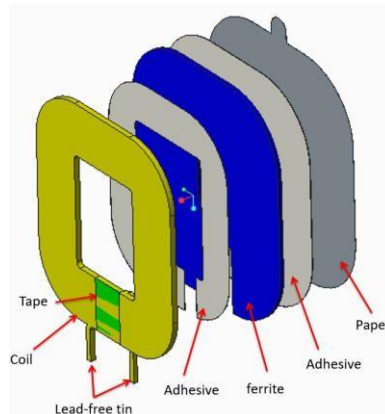
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2. Dimension :



3. Solid picture and Material list :



Index	Item	Description	Color	Q'ty
1	Coil	USTC	Pastel orange	1
1-1	Tape	Insulating tapes	Orange	1
1-2	Lead-free tin	Sn99.3%、Cu0.7%	Silver	0.1g
2	Adhesive	3M-468_50x40x0.13mm	White translucency	1
3	Ferrite Core	Mn-Zn95_56x49xT1mm	Black	1
4	Adhesive	3M-468_56x49x0.13mm	White translucency	1

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4. Coil Specification :

a.) COIL MATERIAL : 0.08*105P(USTC)

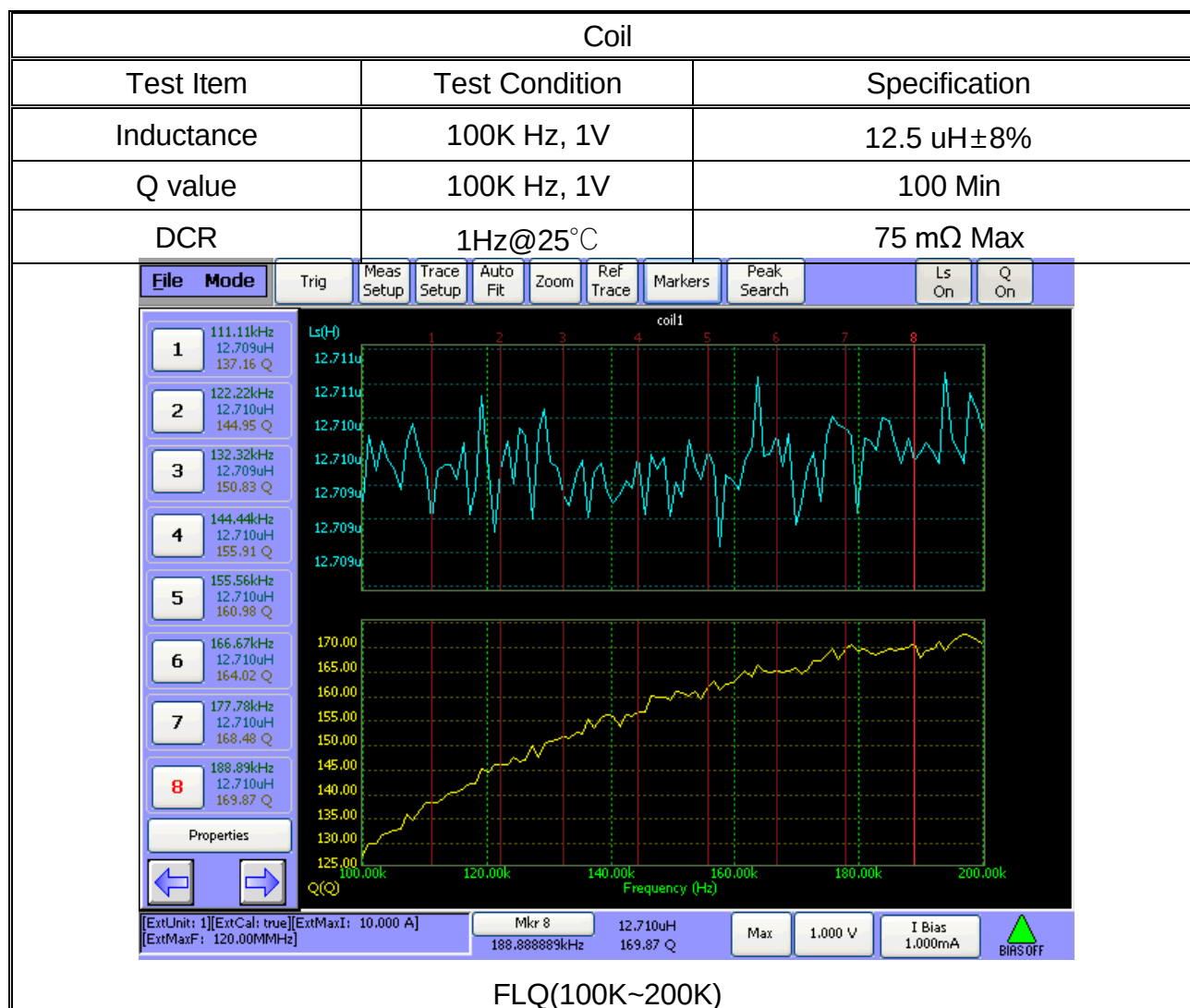
b.) LAYERS : 1LAYER

5. Test Condition :

5.1 Test Equipment

NO	ITEM	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



UNLESS OTHER SPECIFIED TOLERANCES ON :

X = $\pm$ X.X = $\pm$ X.XX = $\pm$

ANGLES = $\pm$ HOLEDIA = $\pm$

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: 125 $\pm$ 5 $^{\circ}$ C, 1000hr Measuring After 24 $\pm$ 4hr at standard conditions.	- No electrical, appearance problem	Sample Size: 77 PCS
2	Temperature cycle Test	Initial value measured at standard test condition. Test Conditions: -40 $^{\circ}$ C, 0.5hr $\rightarrow$ 125 $^{\circ}$ C, 0.5hr Test Cycle: 1000 times Measuring After 24 $\pm$ 4hr at standard conditions.		Sample Size: 77 PCS
3	High Temp & Humidity Storage Test	Initial value measured at standard test condition. Test Conditions: 85 $\pm$ 5 $^{\circ}$ C, 85 $\pm$ 5% RH, 1000hr Measuring After 24 $\pm$ 4hr at standard conditions.		Sample Size: 77 PCS
4	Vibration	5 g's for 20 minutes, 12 cycles each of 3 orientations. Test from 10-2000Hz.		Sample Size: 30 PCS

UNLESS OTHER SPECIFIED TOLERANCES ON :

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ANGLES = $\pm$ HOLEDIA = $\pm$



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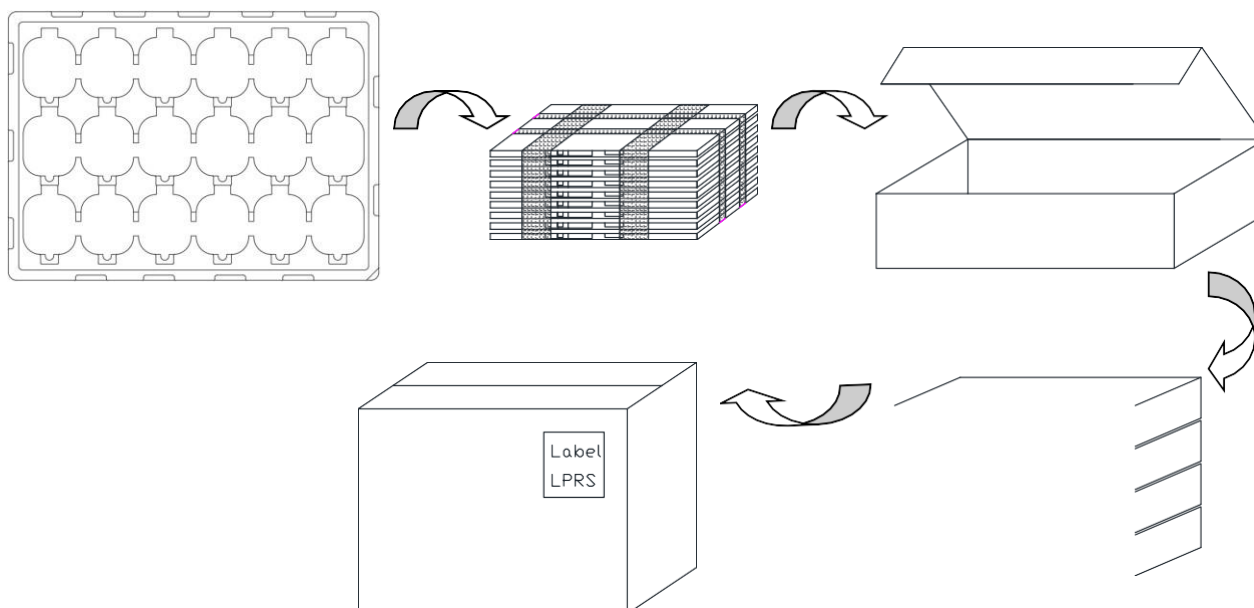
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7. Package Spec :



A small boxed : 18 pcs Tray (total 4 pcs), total number of samples $18 * 4 = 72$ pcs.

A Carton boxed include 4 small boxed, total number of samples $72 * 4 = 288$ 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: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$
- 2.) STORAGE TEMPERATURE RANGE: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$

9.1. Recommended storage condition :

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

10. Certificate :

IATF16949

QC080000

ISO45001

ISO9001

ISO14001

Compliant with AEC-Q200

Can Apply for QI Certified off MP-A10

UNLESS OTHER SPECIFIED TOLERANCES ON :

$X = \pm$ $X.X = \pm$ $X.XX = \pm$

ANGLES = $\pm$ HOLEDIA = $\pm$



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