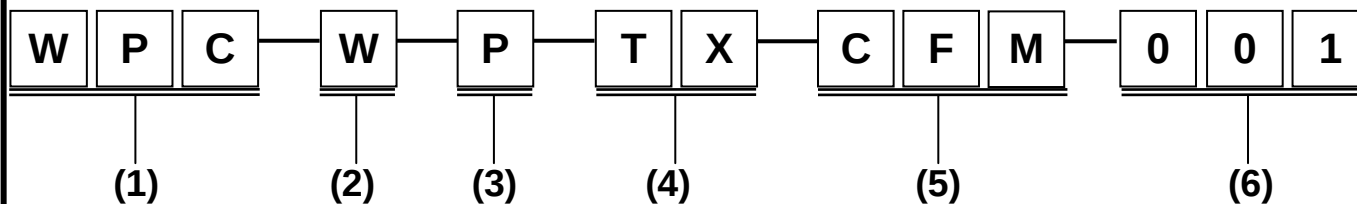


WPC-W-P-TX-CFM-001 Specification

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 + Ferrite + Magnet
- (6) Suffix : Serial number

UNLESS OTHER SPECIFIED TOLERANCES ON :

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

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



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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

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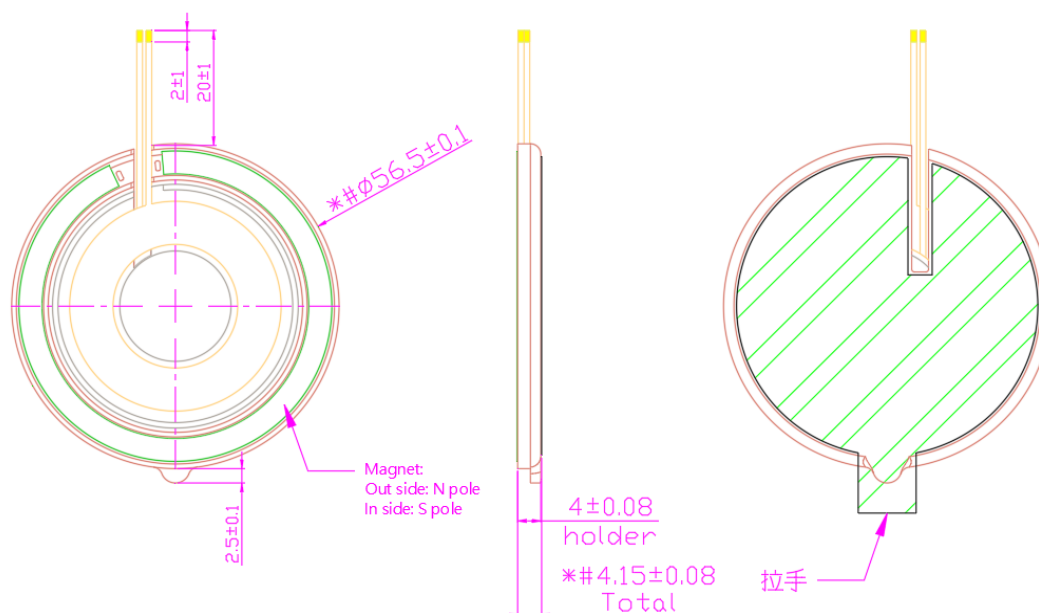
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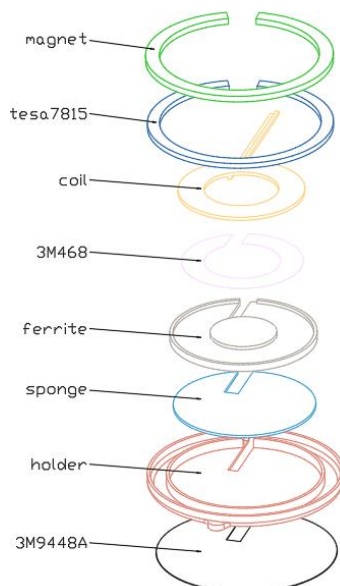
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2. Dimension:



3. Solid picture and Material list:



Index	Item	Description	Color	Q'ty
1	Magnet	N52H_OD54xT2.7mm	Silver	1
2	Adhesive	Tesa7815 OD53.5xT0.5mm	Transparent	1
3	Coil	UEW	Copper	1
4	Adhesive	3M468 OD35xT0.13mm	Transparent	1
5	Ferrite Core	OD42.4xT2.15mm	Black	1
6	Sponge	OD41xT0.75mm	Black	1
7	Holder	OD56.5xT4mm	Black	1
8	Adhesive	3M9448A OD52xT0.15mm	Transparent	1

UNLESS OTHER SPECIFIED TOLERANCES ON :

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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	ITEM	Maker/Part name	Remark
1	LCR Meter	WAYNE KERR 4100	L/Q/Rdc Tester
2	Calibration Kit	INPAQ Internal	

5.2 Electrical Specification

Coil		
Test Item	Test Condition	Specification
Inductance	360K Hz, 1V	7.4 μ H $\pm$ 10%
Q value	360K Hz, 1V	100 Min
RS	360K Hz, 1V	200 m Ω Max
DCR	1Hz@25 $^{\circ}$ C	60 m Ω Max

6. Reliability Test:

NO	ITEM	Condition	Characteristics	Remark
1	High Temp. Storage Test	Initial value measured at standard test condition. Test Conditions: 85 $\pm$ 5 $^{\circ}$ 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 $\pm$ 5 $^{\circ}$ C, 48hr Measuring After 1-2hr at standard conditions.		
3	Temperature cycle Test	Initial value measured at standard test condition. Test Conditions: -40 $^{\circ}$ C, 0.5hr $\rightarrow$ 85 $^{\circ}$ C, 0.5hr Test Cycle: 50 times Measuring After 1-2hr at standard conditions.		

UNLESS OTHER SPECIFIED TOLERANCES ON :

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



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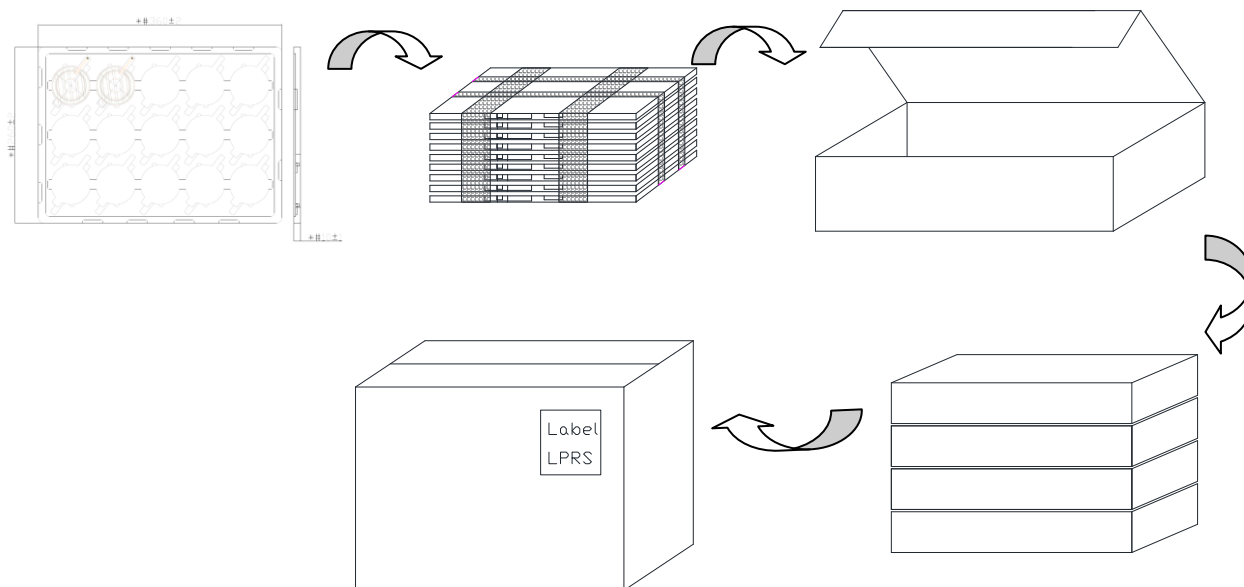
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4	High Temp & Humidity Storage Test	Initial value measured at standard test condition. Test Conditions: 85±5℃, 85±5% RH, 48hr Measuring After 1-2hr at standard conditions.		
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7. Package Spec:



A small boxed : 9 pcs Tray + 1 empty Tray (total 7 pcs), total number of samples $15 * 7 = 135$ pcs.

A Carton boxed include 4 small boxed, total number of samples $135 * 4 = 540$ 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 AMBIENT TEMPERATURE RANGE: 0℃~+40℃
- 2.) STORAGE AMBIENT TEMPERATURE RANGE: -20℃~+60℃

9.1. Recommended storage condition :

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

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ANGLES=± HOLEDIA=±

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