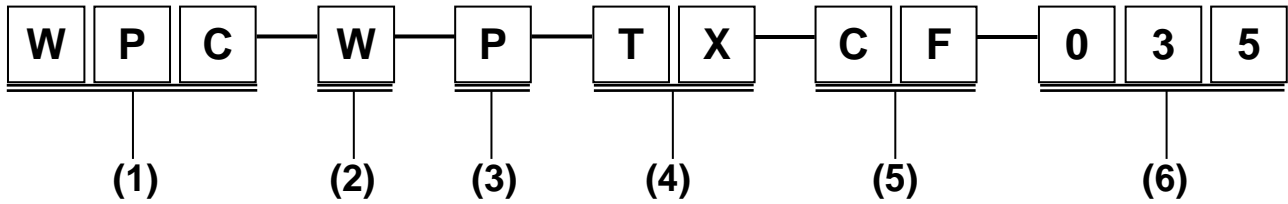



WPC-W-P-TX-CF-035 Specification

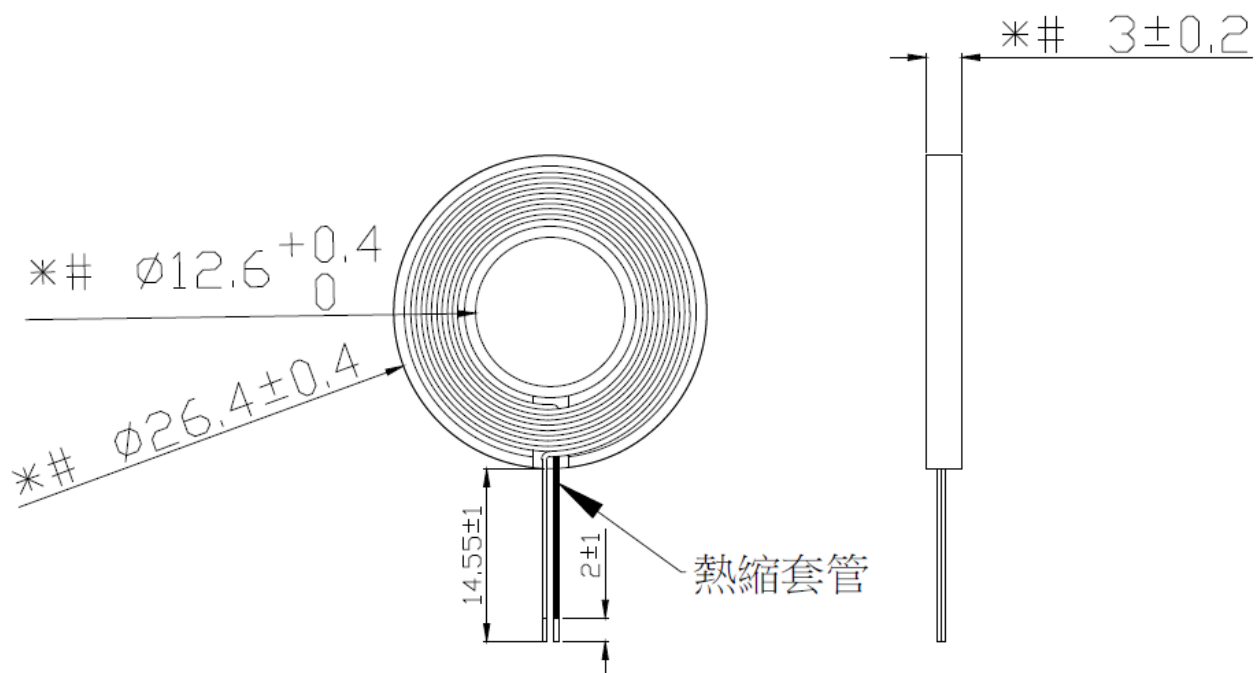
1. Explanation of Part Number :



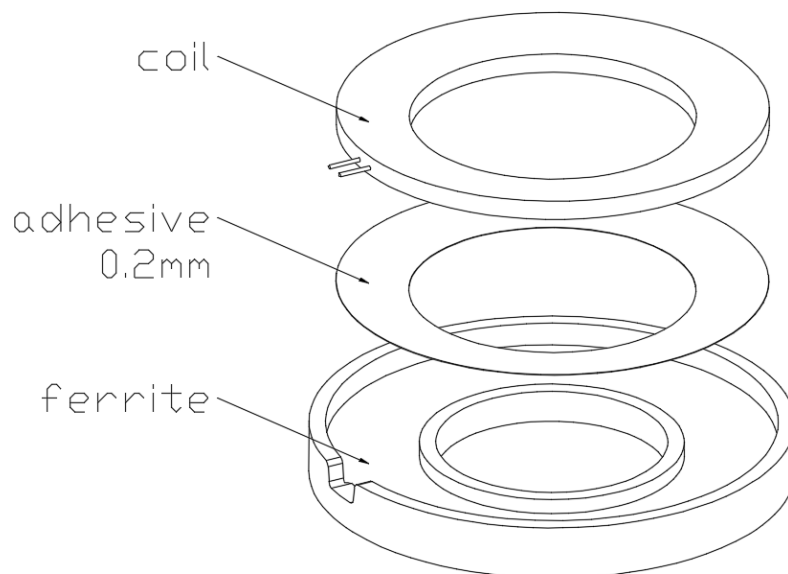
- (1) Product type : Wireless Power Charging
- (2) Mode : WPC
- (3) Active or passive : Passive
- (4) Type : Power Transmitter
- (5) Antenna material or type : Coil +Ferrite
- (6) Suffix : Serial number

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ANGLES=±		HOLEDIA=±		
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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DESIGNED BY:曾國恒		APPROVED BY:洪碩國		
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				A0

2. Dimension:



3. Solid picture and Material list:



Index	Item	Description	Color	Q'ty
1	Coil	UEW	Copper	1
2	Adhesive	Tesa75620_OD23.6*T0.2mm	White translucency	1
3	Ferrite Core	OD26.4*T3.0mm , Mn-Zn 95	Black	1

UNLESS OTHER SPECIFIED TOLERANCES ON :

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4. Coil Specification:

a.) WIRE DIAMETER :UEW

b.) LAYERS : 2 LAYER

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

Coil		
Test Item	Test Condition	Specification
Inductance	100K Hz, 1V	15.5 uH±10%
Q value	100K Hz, 1V	52±10%
ACR	100K Hz, 1V	185 mΩ±10%
DCR	1Hz@25°C	180 mΩ±10%

UNLESS OTHER SPECIFIED TOLERANCES ON :

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ANGLES=± HOLEDIA=±

SCALE : N/A

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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 :

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ANGLES=± HOLEDIA=±



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SCALE : N/A

UNIT : mm

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7. 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.

8. Operating & Storage Condition:


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

8.1. Recommended storage condition :

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

9. Certificate:

IATF16949
QC080000
ISO 45001
ISO9001
ISO14001

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