



PRODUCT SPECIFICATION FOR APPROVAL

CUSTOMER:

PRODUCT NAME: MPP Wireless charging coil

PART No.: Y.L.0153

PRODUCT SPEC:

Inductance: 8.1uH±10%
Shielding spec: 41.5*5.3*0.8mm with two grooves
+20*1circle(additional shielding)
Wire spec: 2 UEW/155 0.08*65*11Ts (20.5mm inner diameter)
Segment Length: 20mm
8mm high temperature gold finger tape
Crown Double Sided Adhesive Tape on both side

DATE: 2026/05/29

VERSION: REV 1.0

Revision	Modified Content	Principle	Date	Note
REV 1.0	First release-English Version	Xiaoju zhou	2026-05-29	
PREPARED BY		CHECKED BY	APPROVED BY	
Authorized signature & company chop				

Attached is the product specification , any questions, please timely feedback to us, thank you!



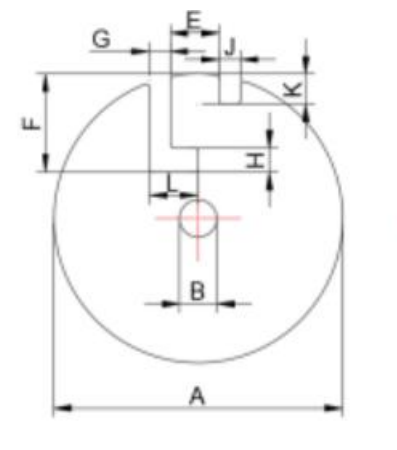
Version Change History

Revision	Before change	After change	Date	Approval by
A0			2026/05/29	周小菊

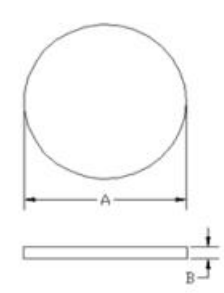


SPECIFICATION

一、Shielding-41.5*5.3*0.8mm with two grooves

	*A	41.4±0.5mm
	*B	5.3±0.3mm
	Thickness	0.75±0.05mm
	E	7.0±0.3mm

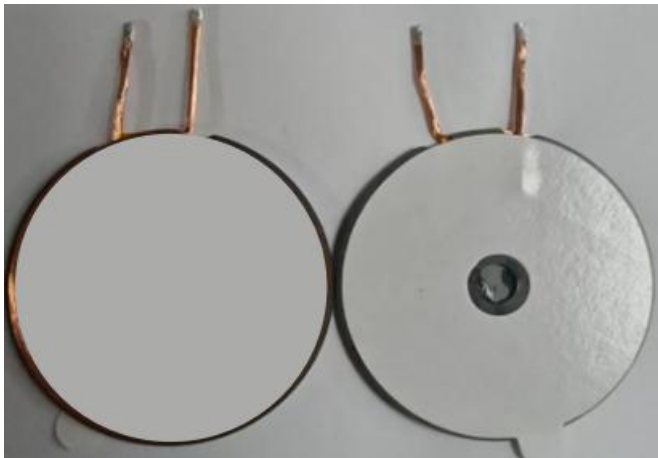
二、Additional shielding-20*1

	A	20 ±0.50mm
	B	0.95±0.05mm

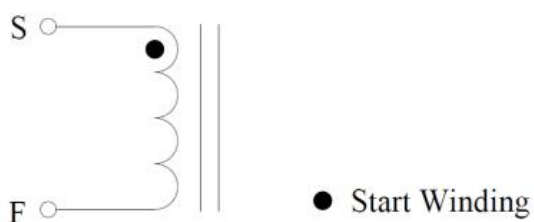


SPECIFICATION

三、Dimension specification

	Coil Outer Diameter	$39 \pm 1.5\text{mm}$
	Coil Inner Diameter	$20.5 \pm 0.5\text{mm}$
	Total Thickness	$< 2.0\text{mm}$
	Segment Length	$20 \pm 2\text{mm}$
	Pin Length	$3 \pm 2\text{mm}$
	High temperature gold finger tape	8mm
	Adhesive Tape	Double Sided Adhesive Tape (both side)

四、Schematic character:



五、Coil Parameter:

TERMINAL		WIRE	Turns	Winding Direction
S	F	2UEW/155 0.08*65	11Ts	CCW



六、Electrical Specification:

TEMPERATURE:25±10°C, RELATIVE HUMIDITY:65±20%

ITEM	SPECIFICATION	TEST FREQUENCY	TEST EQUIPMENTS
L	8.1uH±10%	100KHz/1.0V	VICTOR 4092D
Q	65 Min		

七、Material List

ITEM	MATERIAL	SPEC
1	Copper Wire spec	0.08*65p 2UEW hot blown copper wire
2	Shielding	41.5*5.3*0.8 mm with two grooves +20*1circle(additional shielding)
3	Glue	water-based white latex glue
4	Solder	High-temperature lead-free solder bar
5	Adhesive Tape	Crown Double Sided Adhesive Tape *2
6	gold finger tape	8mm high temperature gold finger tape

八、Product Picture:

