

Specification



Specification No.	20240708003
Effective Date	2024/7/8

Customer Name	MOPO
Product Type	Wireless Charging Coil
Dingzhi No.	TX-DZ43.505.3006-K6.5-L40 open double-slotting
Customer No.	

【 RoHS Compliant Parts 】

Edit	Review	Permission

Guangdong Dingzhi electronic Technology Co., LTD

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This acknowledgement must be signed and returned to the customer within 30 days of receipt. If overdue, it will be regarded as the production in accordance with the standards of this acknowledgement.

Specification

Customer Name	MOPO		Customer No.	
Dingzhi No.	TX-DZ43.505.3006-K6.5-L40 open double-slotting		Specification No.	20240708003
Issue Revision Record				
Versions	Effective Date	Reason for changing content		Permission
01	2024/7/8	New Specification Release		

Specification

Customer Name	MOPO	Customer No.	34200009		
Dingzhi No.	TX-DZ43.505.3006-K6.5-L40 open double-slotting	Specification No.	20240708003	Version	01

◆、Outline Size

Technical drawing of a toroidal coil assembly. The drawing includes a top view, a side view, and a cross-sectional view. Dimensions are labeled as follows: A (inner diameter of the coil), B (outer diameter of the coil), C (inner diameter of the magnetic sheet), D (outer diameter of the magnetic sheet), E (inner diameter of the coil), F (outer diameter of the coil), G (inner diameter of the magnetic sheet), H (outer diameter of the magnetic sheet), and I (thickness of the magnetic sheet). A label '4mm胶纸' (4mm adhesive tape) points to the magnetic sheet. The side view shows the coil's profile with dimensions A, B, C, D, E, F, G, H, and I. The cross-sectional view shows the coil's profile with dimensions A, B, C, D, E, F, G, H, and I.

(Unit: mm)	
A	5.3 ±1.5
B	20.5 ±1.5
C	38.5 ±1.5
D	43.5 ±1.5
E	43.0 ±1.5
F	40.0 ±2.0
G	3.0 ±1.5
H	1.7 ±0.4
I	0.60±0.2(Magnetic Sheet Thickness)

(1)Wire Diameter: 0.08* (24*2P)
varnished wire

(2)Number of coils wound:10TS

(3)Whether the starting and ending
lines cross: Yes

(4)Wrap coil with 4mm wide high
temperature tape

(5)The coil and magnetic sheet must be
stick and centered

(6)magnetic sheet with 42 rounds of
white glue

◆、Electrical Characteristics				
Parameter	Specification		Testing	Test instrument
L0	6.5 ±10%	μH	100KHz/ 1V	■TH1816B ■TH1816B ■CH-502BC
Q	>30	min	100KHz/ 1V	
DCR	<95	mΩ	@ 25℃	

◆、Temperature Grade	
Operating Temperature	-40℃~ 125℃

◆、Materials Listing			
Serial No.	Name	Materials Specification	Note
1	Magnetic Sheet	43.5*5.3*0.6T open double-slotting	PC40 Mn-Zn
2	Cooper wire	0.08*(24*2P)	Varnished Wire
3	High-temperature tape	4MM	Eco-friendly Adhesive Tape
4	Glue	42 Round White Glue	Eco-friendly Adhesive Paper
5	Tin	107H	Thousand Island Environment Tin
6	Glue	Yellow Glue	Eco-friendly Adhesive Glue
Edit		Review	Permission