

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

Factory address: 1st Floor, 1231 Yingbin Avenue, Longmen County, Huizhou City, Guangdong, China
Tel: 13147097490

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

The image contains three technical drawings of an inductor. The top-left drawing is a top view showing a circular coil with concentric turns. Dimensions A, B, C, and D are marked with horizontal lines, while E, F, G, and H are marked with vertical lines. A rectangular area at the top of the coil is shaded with a cross-hatch pattern and labeled '4mm胶纸' (4mm adhesive tape) with an arrow. Two leads extend from the top of the coil. The top-right drawing is a side view showing the profile of the coil and the thickness of the magnetic sheet, labeled 'I'. The bottom drawing is a front view showing the circular shape of the magnetic sheet with a central hole and two leads extending from the top. A label '磁芯厚度' (Magnetic core thickness) points to the outer edge of the sheet.

(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

- (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