



SHENZHEN LICHENGXING TECHNOLOGY CO., LTD

### **SPECIFICATION FOR APPROVAL**

CUSTOMER:

CUST P/N:

Receiving Coil

LCX P/N:

**LCX-KH187003**

DESC:

**Ø16.5\*40-0.07\*100P-11TS-50-43.52L0C-BJ**

DATE:

**2024/6/20**

Version:

**A.0**

PREPARED BY	CHECKED BY	APPROVED BY	CUSTOMER APPROVE
Xiong Gang 2023/6/20	Frank Gao 2023/6/20		

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<u>SPECIFICATION</u>		Version A/0	PREPARED BY: Xiong Gang 2023/6/20	CHECKED BY: Frank Gao 2023/6/20
Drawing No: LCX-GCQP000957		Page No: 2/4	CUST CODE	KH187003
Specification	Ø16. 5*40-0. 07*100P-11TS-50-43. 52LOC		CUST P/N	Receiving Coil
			IN P/N	LXC-KH187003
Version Change History				

Rev	Before Change	After Change	Change Date	Approved By
A/0	New Release	-----	2023/6/20	Frank Gao

Bill of material

NO.	Item Name	IN P/N	Material Specification	Unit	Usage	Remarks
1	Coil		Litz Wire 0.07*100	g	5.5	
2	Flexible Ferrite		43.5*5.3*1.0	PCS	1	The outer diameter of the magnetic chip cannot exceed 43.5.
3	High Temperature Adhesive Tape		9*15	PCS	1	
		Blank				

SPECIFICATION							Version A/0	PREPARED BY: Xiong Gang 2023/6/20	CHECKED BY: Frank Gao 2023/6/20				
Drawing No: LCX-GCQP000957							Page No: 3/4	CUST CODE	KH187003				
Specification Ø16.5*40-0.07*100P-11TS-50-43.52L0C							CUST P/N			Receiving Coil			
							IN P/N			LXC-KH187003			
A	B	C	D	E	F	H	H1	H2	---	---	---	---	---
16.5 ±0.5	39.5-40.5	5.3±0.3	42.8-43.5	3±1	50±2	2.1 MAX	1.1 ±0.15	0.8 ±0.1	---	---	---	---	---

一. DIMENSION:(mm) Winding Mold:Ø16.5 Coil Single Weight: 5.5

Figure 1: Coil

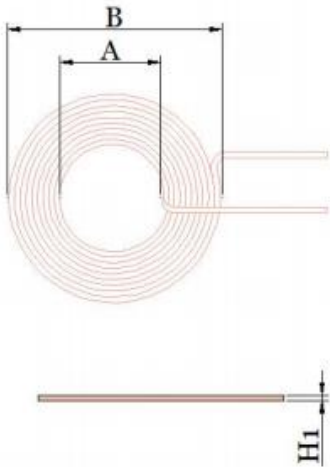


Figure 2: Hard disk

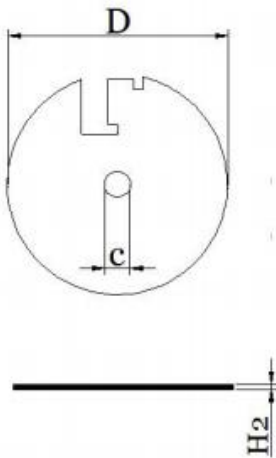
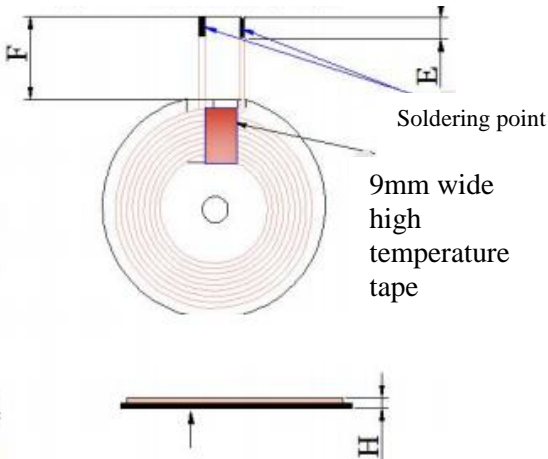


Figure 3: Coil and Magnetic Sheet Combination



Note:						
1. The coil is wound according to figure 1, the lead is crossed, and the coil is 9MM wide high temperature tape in the middle						
2. Magnetic chip specifications: 43.5 * 5.3 * 1.0 hard magnetic,Magnetic chip must not exceed 43.5						
3. Coil fitting magnetic field is shown in Figure 3 on the front fitting magnetic sheet, and the center requirement ≤0.8						
二、 SCHEMATIC DIAGRAM:						

三、 Winding Specification:						
NO	TERMINAL		WIRE	Temperature	Turns	Winding Direction
L1	S	F	Silk-covered wire0.07*100P	180-250	11TS	CCW
四、 ELECTRICAL CHARACTERISTIC: :						
TEMPERATURE:25±10 ℃, RELATIVE HUMIDITY:65±20%						
TEST EQUIPMENTS: LCR Tester U2832						
NO	Disk material		LS	DCR	TEST FREQUENC	TEST EQUIPMENTS
L1			3.8uH±10% (unicoil)	50mΩ ±10%	100KHz/1.0V	U2832
L2	hard magnetic sheet		6.5-6.8uH±10% (Fit the magnetic sheet)	50mΩ ±10%	100KHz/1.0V	U2832

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	Page No: 4/4	CUST CODE	KH187
Specification	Ø19*35.5-0.32*2P-12TS-15-38RC	CUST P/N	Receiving Coil
		IN P/N	LXC-KH187003

五、 Packing way: Foam box packaging

