



**SPECIFICATION FOR APPROVAL**

CUSTOMER: **Shenzhen Hongguo Intelligent Technology Co., Ltd  
(KH187)**

CUST P/N:

LCX P/N:

DESC:

DATE:

Version:

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**LCX-KH178TX007**

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**Ø20.5\*43-0.08\*105P-10TS-50-502LOC-BJ**

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**2023/12/13**

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**A.0**

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PREPARED BY	CHECKED BY	APPROVED BY	CUSTOMER APPROVE
Yang Wenjun 2023/12/13	Chen Shuilin 2023/12/13		

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<u>SPECIFICATION</u>  Drawing No: LCX-GCQP0001095		Version: A/0	make: Yang Wenjun 2023/12/13	to examine: Chen Shuilin2023/ 12/13
		page number: 2/4	customer code: CUST	KH187
Specification and model	Ø20.5*43-0.08*105P-10TS-50-502LOC-BJ	Customer part number: CUST P/N		
		Internal part number: IN P/N		LCX-KH187TX007

### Version Change History

Rev	Before Change	After Change	Change Date	Approved By
A/0	new issue	----	2023/12/13	Gao Yinghong

### Bill of material

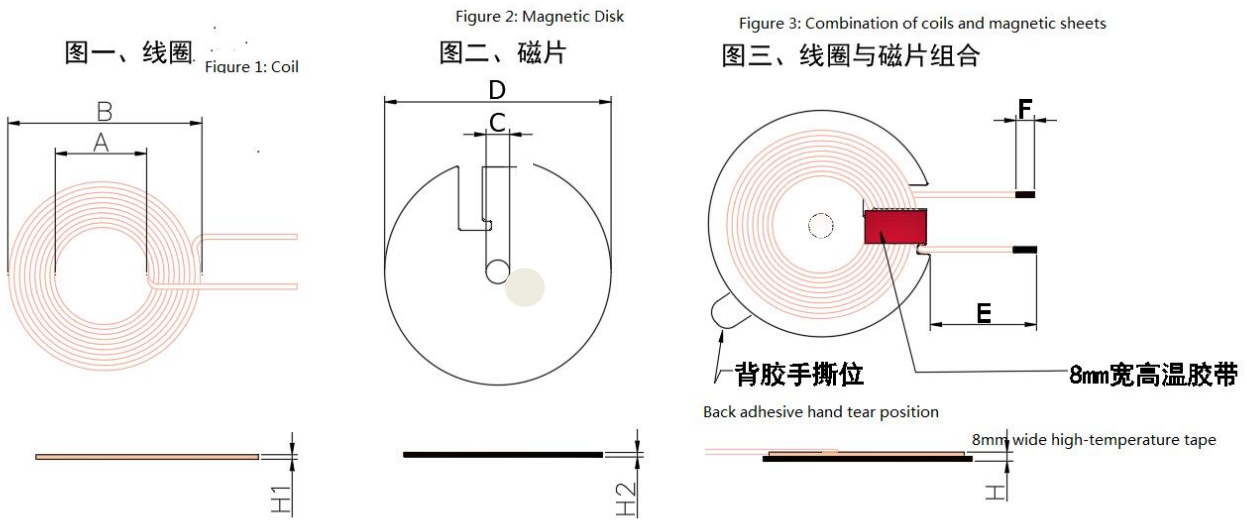
Serial Number	Material name	Internal part number	material specification	unit	Dosage	notes
1	coil		Silk covered wire 0.08*105	can	5.6	
2	Hard magnetic disk		50*5.3*1.0	PCS	1	
3	Double-sided adhesive backing		49*5.5*0.05	PCS	1	Hand tear position
4	High temperature tape		8*15*0.03	PCS	1	
		Blank below				

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A	B	C	D	E	F	H	H1	H2	---	---	---	---	---	---
20 ±0.5	43 ±1	5.3 ±0.3	50 ±0.8	50 ±2	3 ±1	2.4 MAX	1.2 ±0.15	1.0 Ref	---	---	---	---	---	---

1. size DIMENSION:(mm) Wire winding mold: 20.5 Single coil weight: 5.6



notes:

- The coil is wound as shown in Figure 1, with a structure according to size requirements and cannot be loose or loose. Wrap 8mm wide high-temperature tape between two leads
- Figure 2: Hard magnetic disc, specification: 50 \* 5.3 \* 1.0
- The coil, as shown in Figure 3, is glued in the center and attached to the magnetic sheet, with the lead wire inserted into the slot
- Stick 49 \* 5.5 \* 0.05 ordinary double-sided tape on the back of the magnetic disc, and tear off the release paper tape by hand

2. SCHEMATIC DIAGRAM:



3. Winding Specification:

NO	TERMINAL	WIRE	Temperature	Turns	Winding Direction
L1	S F	silk covered wire 0.08*105	180-250linear measure	10TS	anticlockwise

4、 ELECTRICAL CHARACTERISTIC: :

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

NO	Disk material	LS	DCR	TEST FREQUENCY	TEST EQUIPMENTS
L1		3.8uH±10% (single-coil)	45mΩ ±10%	100KHz/1.0V	U2832
L2	Hard magnetic disk	6.3uH±5% (Adhesive magnetic sheet)	45mΩ ±10%	100KHz/1.0V	U2832

深圳市立城兴科技有限公司

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