

Product specification sheet



Specification number	202502017002
effective date	2025/2/17

Customer Name	Tengzhuo
product type	inductance
Top Smart Item Number	TX-DZ4005.3008-K6.8-L21 (single slot)
Customer part number	C01730-0137

[New version released, oral version revised] [This specification includes 7 pages of table of contents] [RoHSCompliant Parts]

organization	to examine	approval
Li Pinghui	/	Ma Xiangping

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This acknowledgement letter must be signed and returned by the customer within 30 days of receipt. Failure to do so will result in production being carried out in accordance with the standards of this acknowledgement letter.

[Customer Approval]

Date:

Admitted Status: Fully Admitted, Conditionally Admitted

Refusal to admit verbally

approval	to examine	Re examination	inspect

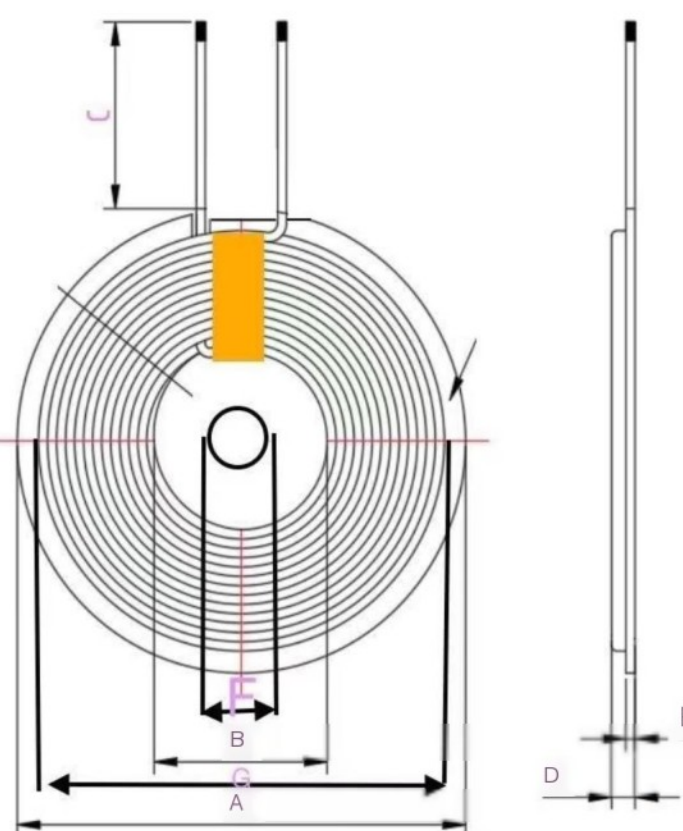
explain:

Product specification sheet

Customer Name	Tengzhuo	Customer part number	C01730-0137
Item number	TX-DZ4005.3008-K6.8-L21 (single slot)	Specification number	202502017002
Issuance/Revision Record			
edition	effective date	Change content/reason	approval
01	2025/2/17	New specification release	Zhong Jianli
organization		to examine	approval
Li Pinghui		/	Ma Xiangping

Customer Name	Tengzhuo	Customer part number	C01730-0137		
Item number	TX-DZ4005.3008-K6.8-L21 (single slot)	Specification number	202406011002	edition	01

◆ External dimensions

		(Unit: mm)	
A	40.0 ±1.5		
B	20.5 ±1.5		
C	16.0 ±2.0		
D	2.0 ±0.3		
E	0.8 ±0.2		
F	5.3 ±1.0		
G	37.5 ±1.5		
		remarks	
		(1) Wire diameter: 0.08 * 24P * 2P enamel package	
		Line	
		(2) Number of coils wound 10TS	
		(3) Does the starting and ending lines intersect? Yes	
		(4) Coil package 4mm high temperature tape	
		(5) The coil and magnetic sheet need to be pasted in the center	
		(6) Magnetic backing 39.5 round white adhesive	
		(7) This magnetic sheet is a customized 40 * 0.8 notched magnetic sheet	
		(8) The lead wire on the right side of the picture needs to be within the gap range	

◆ Electrical characteristics:

parameter	Specifications	Test conditions	Testing instruments
L0	6.8 ±10% μ H	100KHz/1V	■ TH1816B
Q	>20 min	100KHz/1V	TH1816B
DCR	<90 mQ	@25°C	■ CH-502BC

◆ Temperature level:

Operating temperature	-40°C~125°C
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◆ Material List:

Serial number	Product Name	Material specifications	supplier	remarks
1	Magnetic slice	40 * 5.3 * 0.8 single slot (with notch)		PC40 magnetic material
2	Copper wire	0.08*24P*2P		Enameled wire
3	tin	107H		Qiandao Environmental Protection Tin
4	glue	39.5 round white glue		Environmentally friendly adhesive paper
5	glue	Yellow glue		Environmentally friendly adhesive
6	glue	4MM high-temperature adhesive paper		Environmentally friendly adhesive paper

Antenna gain:

Operation frequency:	110kHz~205kHz
Antenna Type:	Loop coil Antenna
Antenna gain:	OdBi