

# Specification for Approval

Customer: \_\_\_\_\_

Customer Part No.: TSO2IN1BPPCL \_\_\_\_\_

Supplier: Fudao Semiconductor (Hefei) Co., Ltd. \_\_\_\_\_

Spec description: \_\_\_\_\_

Supplier Part No.: J-FDTSO2IN1 \_\_\_\_\_

Date: 2025/5/14 \_\_\_\_\_

Version: A.0 \_\_\_\_\_

Draw: \_\_\_\_\_

Supplier Approve		Customer Approve
EE Confirm by	PE Confirm by	
QE Confirm by	Approval by	

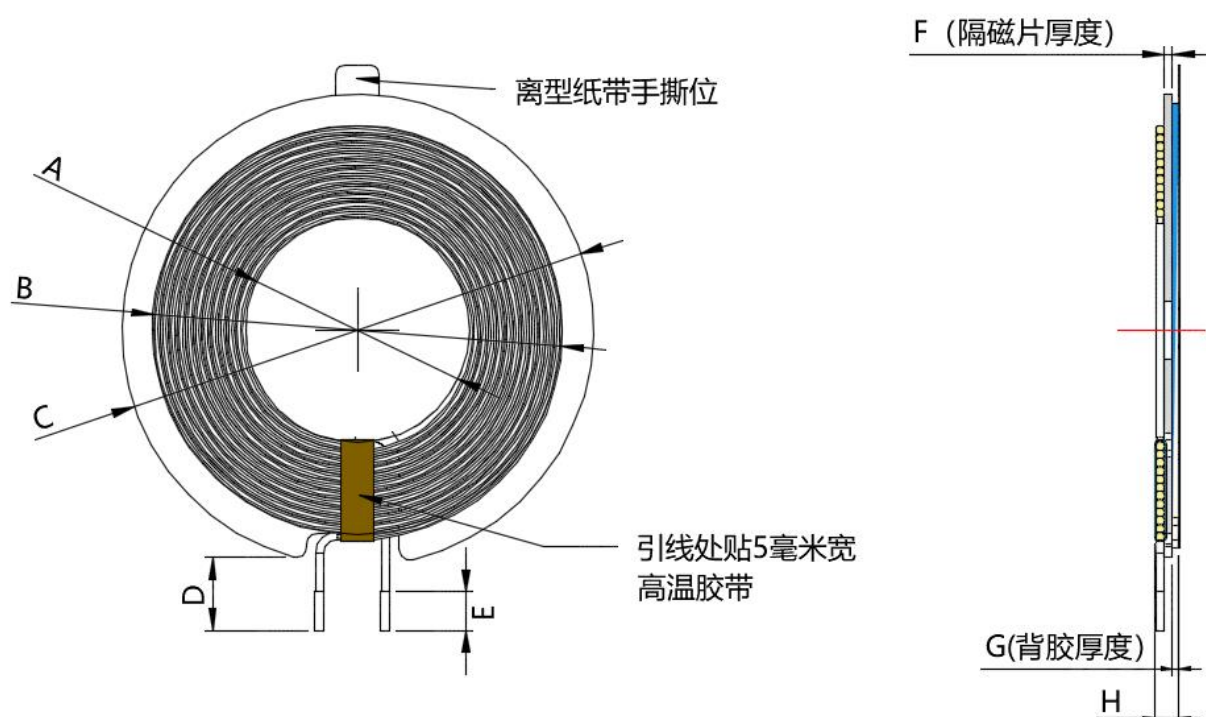
Version Change History

Revision	Before change	After change	Date	Approval by
A.0	—	Initial Release	2025/5/14	

## 1. Manufacturer information

Items	Manufacturer name	Approval
The first resource	Geo	Roger
The second resource		

## 2. Dimension specification



Unit: mm

A	B	C	D	E	F	G	H
$20.4^{+0.1}_{-0.15}$	$39 \pm 1$	$42.9 \pm 0.5$	$12 \pm 1$	$3.5 \pm 1$	$0.73 \pm 0.05$	$0.18 \pm 0.03$	2.2MAX

## Note:

1. Apply a 5-millimeter-wide heat-resistant adhesive tape at the connection points of the coil leads.
2. The backside of the magnetic separation sheet is coated with adhesive: conductive fabric + PET; among which the PET adhesive surface is attached to the magnetic separation sheet.
3. The specifications of the large magnetic shielding plate are:  $\Phi 42.9 * 5.0 * 0.73$  with slots.;
4. The dimensions of "G" and "H" do not include the release paper.

### 3. Schematic diagram



### 4. Electronic character

TEMPERATURE:  $25 \pm 10^\circ\text{C}$ , RELATIVE HUMIDITY :  $65 \pm 20\%$

TIEM	SPECIFICATION	TEST FREQUENCY	TEST EQUIPMENTS
IND	$7.6\text{UH} \pm 5\%$	100 KHZ/1.0V	LCRMETRTH2830N
DCR	70m $\Omega$ Max	\	PH2511S
Q	$60 \pm 10\%$	100 KHZ/1.0V	LCRMETRTH2830N
Operating Temperature and Humindity		-30 $^\circ\text{C}$ ~80 $^\circ\text{C}$ / 30%~90%	
Storage Temperature and Humindity		-40 $^\circ\text{C}$ ~90 $^\circ\text{C}$ / 30%~90%	

## 5. Coil specification

Turns	Wire Dia.	Wdg. Type Spred/Close	Wdg.Direction	Intersect Yes/Not	Coil Positive/ Anti Paste
11T S	0.08*65P (Hot- Wire)	(Close)	(Anticlockwise)	(Yes)	(Anti-/Paste)

## 6. Bill of materials

number	Material name	Description	Material Code
1	wire rod	0.08 * 65P Hot air twisted wire	
2	magnetic isolation sheet	Φ42.9 * 5.0 * 0.73H (with slot)	
3	Adhesive	CX-3001A White Glue	
4	high-temperature tape	5 millimeters wide, dark brown	
5	double faced adhesive tape	Conductive fabric + PET 41.3 T=0.1	