

Specification for Approval

Customer: _____

Customer Part No.: PS168(10K) _____

Supplier: Fuda Semiconductor (Hefei) Co., LTD _____

Spec description: 42.9*5.2*0.5/20*10*0.7 0.08*65 11TS 8.1uH L=42 _____

Supplier Part No.: J-FDPS16810K _____

Date: 2025/4/11 _____

Version: A.0 _____

Draw: _____

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

Version Change History

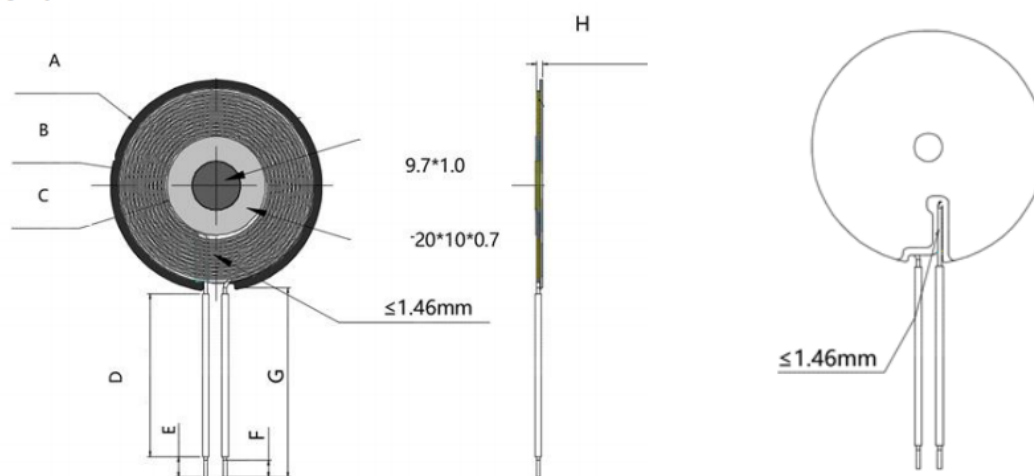
[illegible]

1. Manufacturer information

Items	Manufacturer name	Approval
The first resource	吉欧	罗杰
The second resource		

2. Dimension specification

Unit: mm

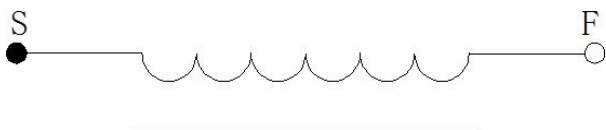


A	B	C	D	E	F	G	H
42.9±0.5	39.6 ^{+0.3} _{-1.5}	20.4±0.1	37 ⁺³ ₋₁	4.23±2	3.5±1	42±1	1.3 ^{+0.06} _{-0.15}

Annotation:

- 1.The coil leads are laid out parallelly. A heat shrink tube is placed over them. The inner leads need to be heat-pressed and shaped.
- 2.The magnetic shielding sheet is attached to the black film, and the coil is attached to the black film surface.
- 3.The specifications of the large magnetic separator are: $\Phi 42.9 * 5.0 * 0.5$ with slots; the specifications of the small magnetic separator are: $\Phi 20 * 10 * 0.7$.
- 4.The middle hole of the small magnetic spacer is covered with black foam adhesive tape on one side. The specification is: $9.7 * 1.0$.

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	$8.1\text{UH} \pm 5\%$	100 KHZ/1.0V	LCRMETRTH2830N
DCR	75mΩ Max	\	PH2511S
Q	63 Min	100 KHZ/1.0V	LCRMETRTH2830N
Operating Temperature and Humindity		$-30^{\circ}\text{C} \sim 80^{\circ}\text{C}$ / 30%~90%	
Storage Temperature and Humindity		$-40^{\circ}\text{C} \sim 90^{\circ}\text{C}$ / 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	Cables	0.08*65P Hot air twisted wire	
2	magnetic isolation sheet	Large $\Phi 42.9*5.0*0.5H$ (with slot) with coating / Small $\Phi 20*10*0.7H$	
3	adhesive	CX-3001A white glues	
4	foam tape	9.7*1.0 Single-sided adhesive coating	
5	double faced adhesive tape	cotton $\Phi 18*11$ T=0.1	
6	heat shrink tubing	black $\Phi 1.2*37$	