

## Specification for Approval

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

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

Supplier: NuVolta Technologies (Hefei) Co., Ltd.

Spec description: Nu227 coil/Ferrite (PC40)+coil (hot air wire, 0.08 \* 65P \* 11T,  
Ls=8.1uH, lead length 8mm)

Supplier Part No.: Nu227MPPCOIL

Date: 2024/9/13

Version: A.0

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

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

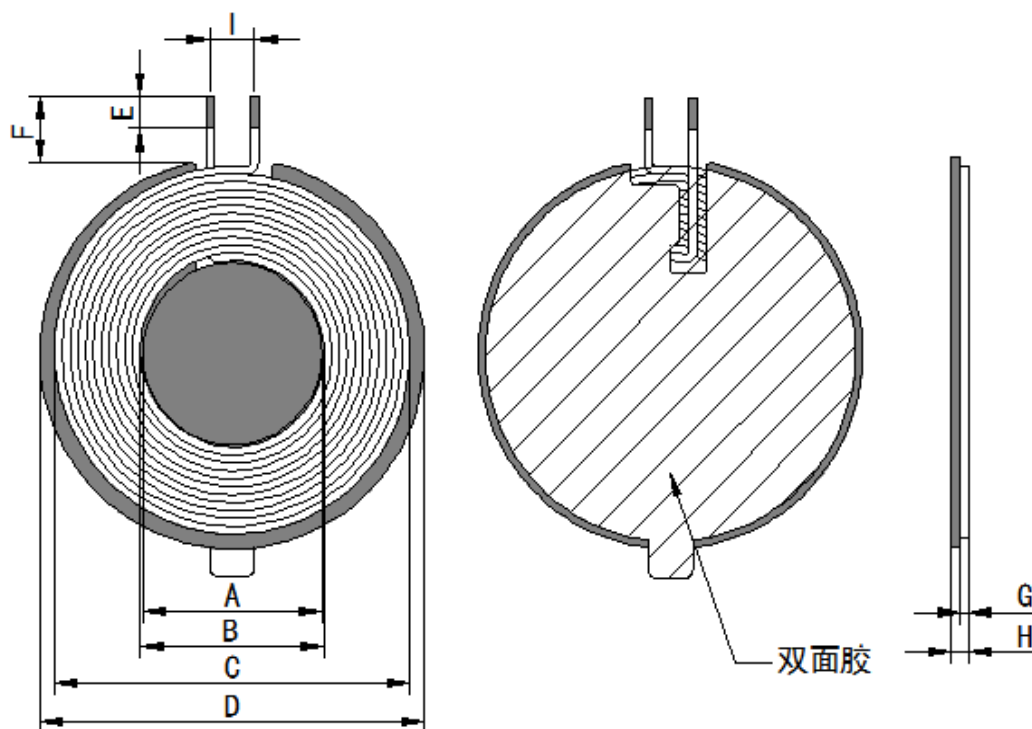
### Version Change History

Revision	Before change	After change	Date	Approval by
A.0	—	(Initial Release)	2024/9/13	


## 1. Manufacturer information

Items	Manufacturer name	Approval
The first resource	Jio	
The second resource		

## 2. Dimension specification



Unit:mm

A	B	C	D	E	F
20+0.25/-1.2	20.5±0.5	39.6+0.3/-1.5	42.9±0.5	3+0.5/-1.5	7.3±1
G	H	I			
0.95±0.05	2.3MAX	5±1.5			
PS: (H) Excluding release paper;					

### 3. Schematic diagram



## 4. Electronic character

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

TIEM	SPECIFICATION	TEST FREQUENCY	TEST EQUIPMENTS
IND	$8.1\text{UH} \pm 5\%$	100 KHZ/1.0V	HY23830
DCR	65 m $\Omega$ MAX	\	HY23830
Q 值	75 min	100 KHZ/1.0V	HY23830

工作温度和湿度	$-30^{\circ}\text{C} \sim 80^{\circ}\text{C}$ / 30%~90%
存储温度和湿度	$-40^{\circ}\text{C} \sim 90^{\circ}\text{C}$ / 30%~90%

## 5. Coil specification

Turns	Wire Dia.	Wdg. Type Spred/Close	Wdg.Direction	Intersect Yes/Not	Coil Positive/Anti Paste
11TS	0.08*65P hot air twisted wire (Stranded wire)	Close	Anticlockwise	Yes	Anti/-Paste

## 6. Bill of Materials

Material name	Description	Material Code
wire rod	0.08 * 65P hot air twisted wire	JX-2U-F-0025
ferrite	$42.9 \pm 0.5 * 5.2 \pm 0.5 * 1.0 \pm 0.05H$ (with holes and slots)	GCP-T-00292
Circular hard magnet	20*1.0H (No holes or slots)	GCP-T-00264
Circular double-sided tape	41.3*0.05H (Single sided adhesive without holes or grooves)	SMJ-T-0078
Circular ordinary double-sided tape	18*0.08H (No holes, no grooves with hand tearing)	SMJ-T-0010
glue	JS-E7202 (Thickened) white glue	E7202W
Solder bar	Environmentally friendly lead-free solder bars	Lead free high-temperature tin strip

## 7. Precautions for production

1. The lead head should not have burrs, scattering or other appearance defects.
2. The gap between the coil and the ferrite cannot exceed 0.5mm.

3. The winding method of the coil must be made according to the winding direction defined in the specification book.
4. The width of the yellow high-temperature adhesive tape shall be strictly made according to the specifications.
5. There should be no solder beads on the surface of the coil, and it is recommended not to use soldering flux during the immersion process.
6. There should be no loose or irregular arrangement of copper wires on the surface of the coil.

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