

Specification for Approval

Customer: _____

Customer Part No.: _____

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

Spec description: Nu227 coil/Ferrite (PC40) + coil (hot air line, 0.08*65P*11T, $L_s = 8.1\mu H$, 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	

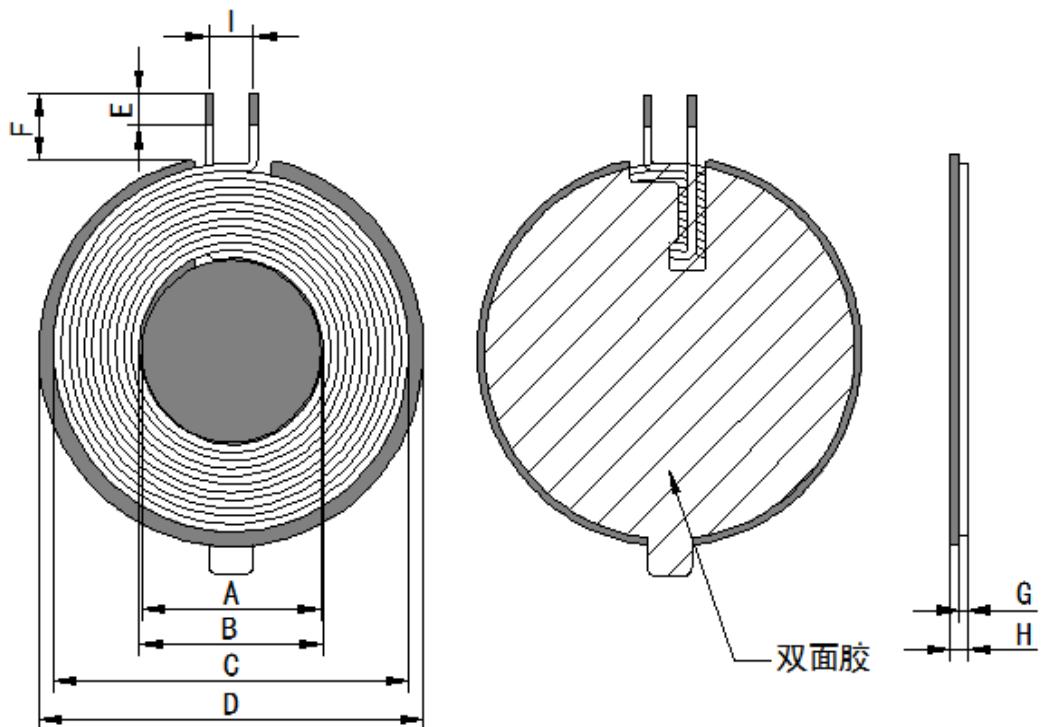
Add: No. 01, 5th Floor, Building B4, Zhong'an Chuanggu Science and Technology Park, No. 900, Wangxiang West Road, Hefei Science and Technology Zone, Anhui Province

Version Change History

1. Manufacturer information

Items	Manufacturer name	Approval
The first resource	Geo	
The second resource		

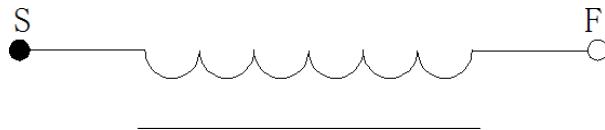
2. Dimension specification



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)Without release paper;					

3. Schematic diagram



4. Electronic character

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

TIEM	SPECIFICATION	TEST FREQUENCY	TEST EQUIPMENTS
IND	8.1UH±5%	100 KHZ/1.0V	HY23830
DCR	65 mΩ MAX	\	HY23830
Q 值	75 min	100 KHZ/1.0V	HY23830

Operating Temperature and Humindity	-30°C~80°C / 30%~90%
Storage Temperature and Humindity	-40°C~90°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 (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±0.5*5.2±0.5*1.0±0.05H (With holes and grooves)	GCP-T-00292
Circular hard magnetic material	20*1.0H (Without holes or grooves)	GCP-T-00264
Circular double-sided adhesive tape	41.3*0.05H (Single-sided adhesive without holes or grooves)	SMJ-T-0078
Round regular double-sided adhesive tape	18*0.08H (No holes, no grooves, hand-tearable design)	SMJ-T-0010
glue	JS-E7202 (Thickened) White Adhesive	E7202W
tin bar	Environmentally friendly lead-free solder wire	Lead-free high-temperature solder wire

7. Precautions for production

1. The lead ends must not have burrs, frays or any other appearance defects.
2. The gap between the coil and the ferrite must not exceed 0.5mm.
3. The winding method of the coil must be made according to the winding direction specified in the specification.
4. The width of the yellow high-temperature insulating tape must be strictly made in accordance with the specification.
5. No solder beads should appear on the surface of the coil. It is recommended that the tin-plating process does not use flux.
6. No loose parts or irregular arrangement of some copper wires should be present on the surface of the coil.