



SPECIFICATION FOR APPROVAL

CUSTOMER: Shenzhen Kaimo Technology Co., Ltd.

CUST P/N:

FINE P/N: G42 soft magnetic 7.2UH single coil 0.08*24P*2*12TS

DESC: Φ42MMX0.4MM soft magnetic slotting

DATE: June 9, 2025

Version:



A.0

| PREPARED BY | CHECKED BY | APPROVED BY | CUSTOMER APPROVE |
|------------------|-----------------|-----------------|------------------|
| Huang Yanming | Huang Dongmi | Huang Jinhua | |

Dongguan West United Dry City Technology Co., Ltd.

Factory address: No. 8, Building 2, Sanjia High-tech Industrial Park, No. 123, Junfa Road, Dongk Town, Dongguan City

TEL: 0769-82989159

FAX: 0769-82989159

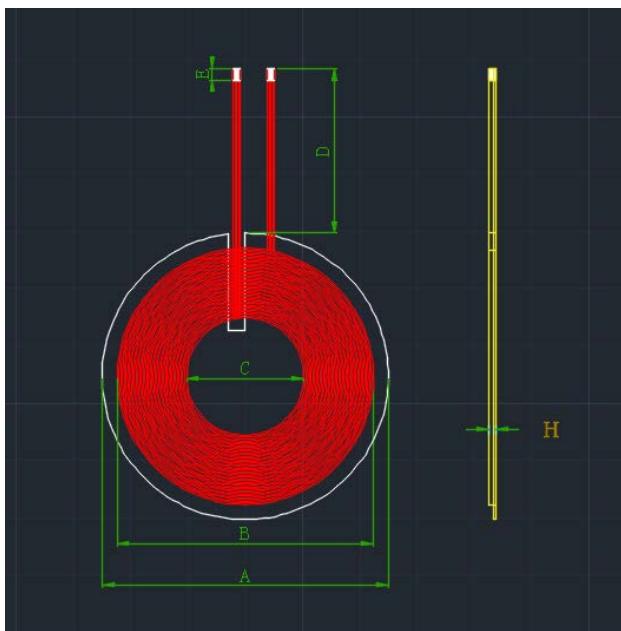
E-mail: aming198204@163.com

Version Change History

SPECIFICATION

DESC Φ14.5x39-7.2uH-0.08x24P-55mm Rev: A.0 CUST: XXX

| | | | |
|---------------------|--|-----------|----------|
| | | CUST P/N: | |
| One: DIMENSION:(mm) | | A | 42±0.5 |
| | | B | 39.0±1.5 |
| | | C | 14.5±1 |
| | | D | 42±2 |
| | | E | 3±1.5 |
| | | H | 1.2±0.2 |
| | | | |
| | | | |



Note: 1. Cross out the line; 2. Wrap 5mm (ref) width high-temperature tape at the exit position 1-2; 3. The coil is attached to a round soft magnetic plate with a slot, the size of the magnetic plate is 42±0.5mm, the thickness 0.4±0.1mm. 4: Back with back glue attached

Two、SCHEMATIC DIAGRAM:



Three: Winding Specification:

| NO. | TERMINAL | WIRE | Turns | Winding Direction |
|-----|----------|----------------------------------|-------|-------------------|
| 1 | S F | Enamelled copper wire 0.08*24PX2 | 12Ts | CCW |

Four、ELECTRICAL CHARACTERISTICS:

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

| NO. | ITEM | TERMINAL | SPECIFICATION | TEST FREQUENCY | TEST EQUIPMENTS |
|-----|------|----------|--------------------------|----------------|-----------------|
| 1 | IND. | S-F | 3.8uH ±20% separate coil | 100KHz/1.0V | LCZ METER 1062B |
| 2 | IND. | S-F | 7.2uH ±10% Magnetic film | 100KHz/1.0V | LCZ METER 1062B |
| 3 | DCR | S-F | ≤102mΩ | 100KHz/1.0V | LCZ METER 502B |
| 4 | Q | S-F | ≥33 | 100KHz/1.0V | LCZ METER 502B |

| PREPARED BY/DATE | CHECKED BY/DATE |
|----------------------------|---------------------------|
| Huang Yanming June 9, 2025 | Huang Jinhua June 9, 2025 |