



## 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:  $\Phi 42\text{MM} \times 0.4\text{MM}$  soft magnetic slotting

DATE: June 9, 2025

Version:

A.0



PREPARED BY	CHECKED BY	APPROVED BY	CUSTOMER APPROVE
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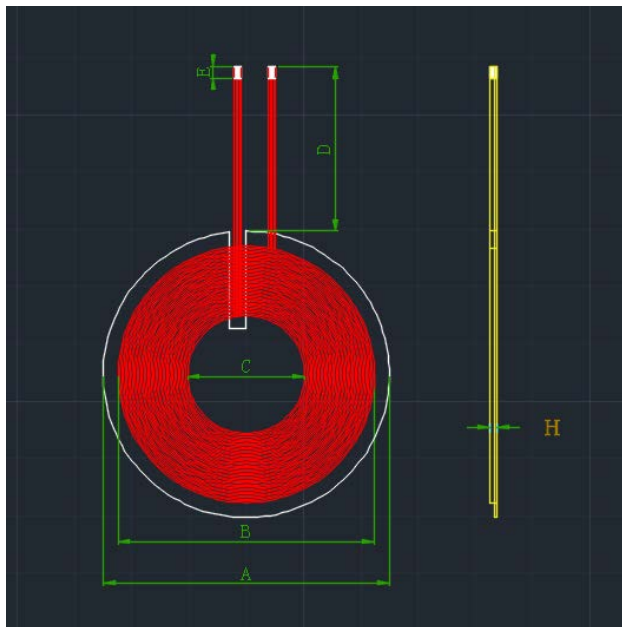
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DESC	Φ 14.5x39-7.2uH-0.08x24P-55mm	Rev: A.0	CUST:	XXX
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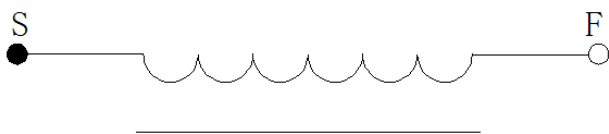
CUST P/N:

One: DIMENSION:(mm)

A  $42 \pm 0.5$ B  $39.0 \pm 1.5$ C  $14.5 \pm 1$ D  $42 \pm 2$ E  $3 \pm 1.5$ H  $1.2 \pm 0.2$ 

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  $42 \pm 0.5$ mm, the thickness  $0.4 \pm 0.1$ mm. 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: $25 \pm 10^{\circ}\text{C}$ , RELATIVE HUMIDITY: $65 \pm 20\%$ 

NO.	ITEM	TERMINAL	SPECIFICATION	TEST FREQUENCY	TEST EQUIPMENTS
1	IND.	S-F	$3.8\mu\text{H} \pm 20\%$ separate coil	100KHz/1.0V	LCZ METER 1062B
2	IND.	S-F	$7.2\mu\text{H} \pm 10\%$ Magnetic film	100KHz/1.0V	LCZ METER 1062B
3	DCR	S-F	$\leq 102\text{m}\Omega$	100KHz/1.0V	LCZ METER 502B
4	Q	S-F	$\geq 33$	100KHz/1.0V	LCZ METER 502B

PREPARED BY/DATE

Huang Yanming June 9, 2025

CHECKED BY/DATE

Huang Jinhua June 9, 2025