

Hard Magnetic Watch Coil Specification

Model: G25-2.5-6.4UH-6MM

(Backside foam double-sided adhesive Φ23.5mm, tab length 4mm)

Specification Sheet

Customer Name:

Customer Part Number:

Our Model: XYDG2502

Sample Delivery Date: Aug 05, 2024

Supplier:

Drawn by Checked by Approved by

Customer Acceptance Confirmation

Pass Reject Accepted Signature

Remarks:

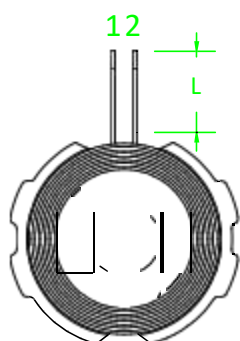
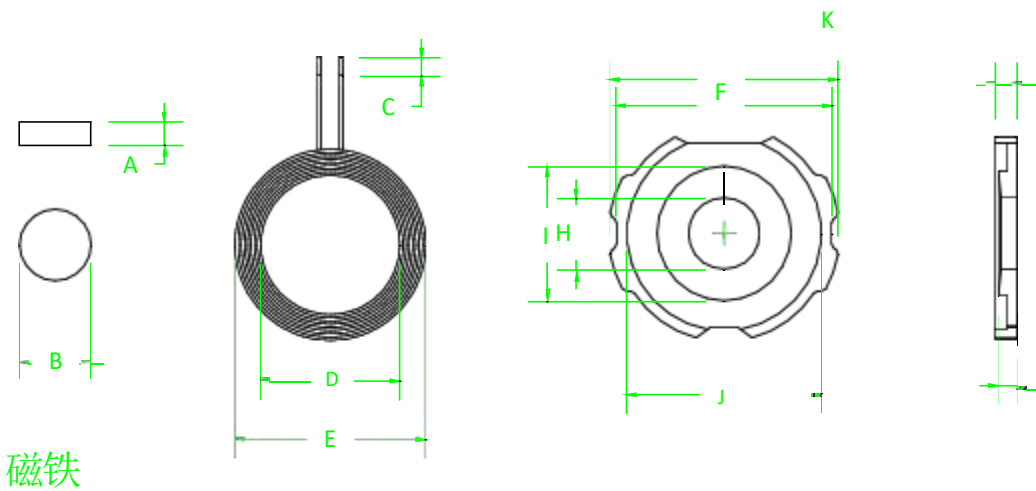
Tel:

Fax:

Customer Name Customer PN Our Model Version Date

XYDG2502 2024.08.05

1. 2D Outline Drawing (Unit: MM)



Symbol Dimension & Tolerance

A	2	± 0.1
B	7.5	± 0.05
C	1.5	± 0.5
D	15	± 0.2
E	20.5	± 0.5
F	25	± 0.3
G	23.5	± 0.3
H	7.8	± 0.05
I	13.5	± 0.1
J	21	± 0.2
K	2.75	± 0.1
L	6.0	± 1.0
M	2.5	± 0.05

2. Winding Specifications

Pin No. Wire Spec Turns Remarks

1 - 2 0.08*24P 1211 Heat-bonded Litz Wire

3. Technical Requirements

1. Secure the start and end wire ends firmly to prevent loose winding or wire breakage.
2. Trim excess lead wires per customer requirements, then tin leads uniformly. The tin dipping depth shall be controlled at $1.5 \pm 0.5\text{mm}$.
3. Apply proper amount of BY882 white adhesive on hard magnetic sheet to attach coil. Keep product surface clean during production.
4. Extra processing (per customer request): Install $7.5 \times 2.0\text{mm}$ magnet into the central hole of finished coil; attach round foam double-sided adhesive ($\Phi 23.5\text{mm}$, tab length 4mm) on the back, then package.

4. Electrical Performance

1. Inductance & Q Factor

PIN 1-2 Inductance: $6.4\mu\text{H} \pm 0.3\mu\text{H}$

Q Factor ≥ 27

Test Condition: Test by Tonghui TH2817B LCR Meter or equivalent equipment, 100kHz / 0.3Vrms.

5. Bill of Materials

No. Item Name Material Specification Supplier Notes

1 Heat-bonded Litz Wire $0.08 \times 24\text{P}$ - -

- 2 Magnetic Sheet Grade 88 hard magnetic substrate - -
- 3 Solder Tin High-temperature environmental friendly tin - -
- 4 White Adhesive BY882 - -
- 5 Permanent Magnet $7.50 \times 2.0\text{mm}$, magnetic flux $\geq 3000\text{GS}$ - Additional process part
- 6 Foam Double-sided Adhesive Diameter 23.5mm - Tab length: 4mm

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