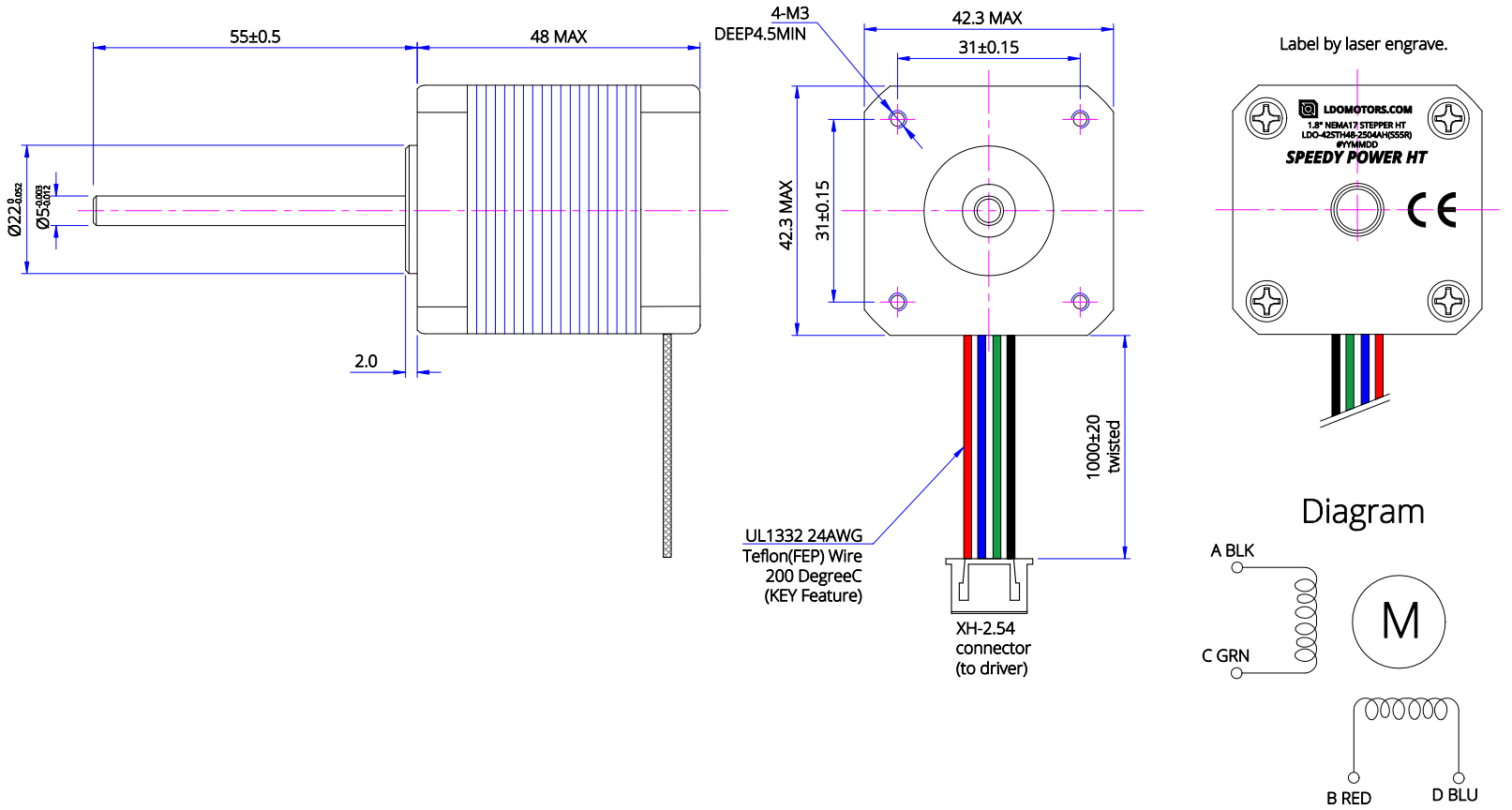


## Diagram




| Item | Specification | Item | Specification |
|---|---|---|---|
| Phase Number | 2 | Step Angle | 1.8° ± 5% |
| Rated Voltage | DC 3.0V / Phase | Rated Current (RMS) | DC 2.5A / Phase |
| Phase Resistance | 1.2x(1±20%) Ω | Phase Inductance | 1.5x(1±20%) mH |
| Holding Torque | 5.5Kgf-cm (55N-cm) | Detent Torque | 20 mN-m REF. |
| Rotate Direction | A-AB-B CW | Insulate Resistance | 100Mohm(DC500V) |
| HI-POT | AC600V/1mA/1S | Insulation Class | Class H 180°C |
| Rotor Inertia | 84.5 g-cm² REF | Weight | 0.35 Kg REF |
| | | | |

| REV. | ECN NO. | DESCRIPTION | MADE BY | APPR. BY | DATE |
|---|---|---|---|---|---|
| A | ---- | NEW RELEASE | Xu SD | J.B. | 8/09/24 |

VIEW

SCALE NA

LDO MOTORS a company of LDO MOTION

Part NO.

**1.8° NEMA17 Stepper Motor HT**
**LDO-42STH48-2504AH(S55R)**

| DRAWN BY | CHECKED BY | APPR. BY | DATE | FACTORY CODE | SHEET NO. |
|---|---|---|---|---|---|
| Xu SD | J.B. | J.B. | 8/09/24 | | 1/1 |