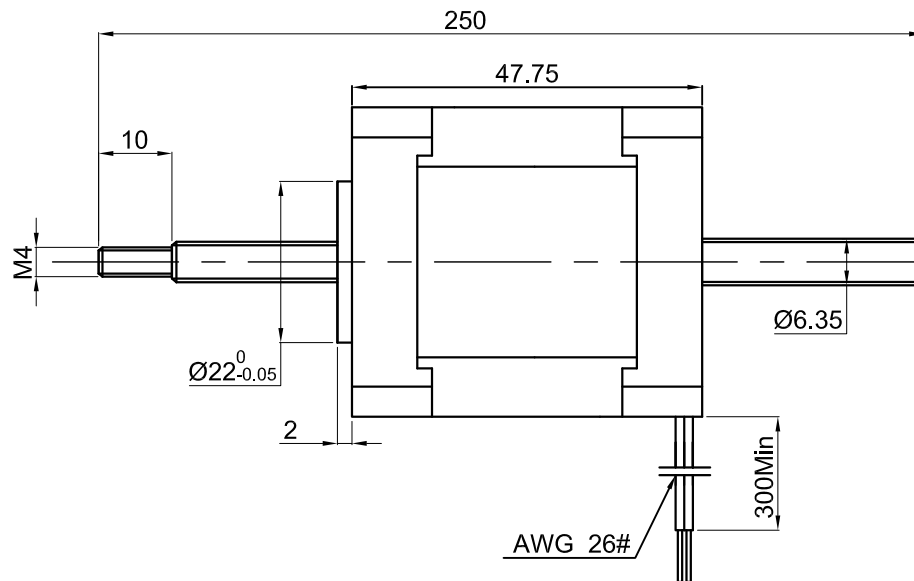
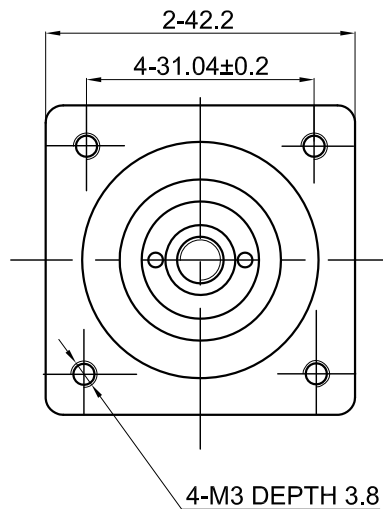


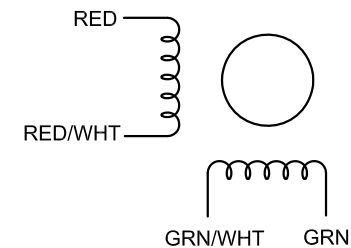


| SPECIFICATION                                                                     | CONNECTION | BIPOLAR    |
|-----------------------------------------------------------------------------------|------------|------------|
| VOTAGE(VOC)                                                                       |            | 5.00       |
| AMPS/PHASE                                                                        |            | 1.30       |
| RESISTANCE/PHASE(Ohms)@25°C                                                       |            | 3.96±10%   |
| INDUCTANCE/PHASE(mH)@1KHz                                                         |            | 6.66±20%   |
| MINIMAL THRUST(N)@300 PPS                                                         |            | 560.00     |
| LEAD(mm)                                                                          |            | 0.79375    |
| LINEAR TRAVEL/STEP(mm)                                                            |            | 0.00396875 |
| STEP ANGLE(°)                                                                     |            | 1.80       |
| STEP ACCURACY(NON-ACCUM)                                                          |            | ±5.00%     |
| LEAD TYPE                                                                         |            | AWG 26     |
| TEMPERATURE RISE:MAX.80°C (MOTOR STANDSTILL;FOR 2PHASE ENERGIZED )                |            |            |
| AMBIENT TEMPERATURE -10°C~50°C[14°F~122°F]                                        |            |            |
| INSULATION RESISTANCE 100 Mohm (UNDER NORMAL TEMPERATURE AND HUMIDITY )           |            |            |
| INSULATION CLASS B 130°C[266°F]                                                   |            |            |
| DIELECTRIC STRENGTH 500VAC FOR 1MIN.(BETWEEN THE MOTOR COILS AND THE MOTOR CASE ) |            |            |
| AMBIENT HUMIDITY MAX.85%(NO CONDENSATION)                                         |            |            |
|                                                                                   |            | APVD       |
|                                                                                   |            | CHKD       |
|                                                                                   | 1:1        | DRN        |
|                                                                                   | SCALE      | SIGNATURE  |
|                                                                                   |            | DATE       |

| TYPE OF CONNECTION (EXTERN) |         | MOTOR   |         |
|-----------------------------|---------|---------|---------|
| PIN NO                      | BIPOLAR | LEADS   | WINDING |
| 1                           | A —     | RED     | A       |
| 2                           | A\ —    | RED/WHT | A\      |
| 3                           | B —     | GRN/WHT | B       |
| 4                           | B\ —    | GRN     | B\      |

FULL STEP 2 PHASE-Ex. ,  
WHEN FACING MOUNTING END (X)

| STEP | A | B | A\ | B\ |                                         |                                          |
|------|---|---|----|----|-----------------------------------------|------------------------------------------|
| 1    | + | + | -  | -  | <div> <div>↓</div> <div>CW</div> </div> | <div> <div>↑</div> <div>CCW</div> </div> |
| 2    | - | + | +  | -  |                                         |                                          |
| 3    | - | - | +  | +  |                                         |                                          |
| 4    | + | - | -  | +  |                                         |                                          |



STEPPER MOTOR

17LS19-1304P-250N