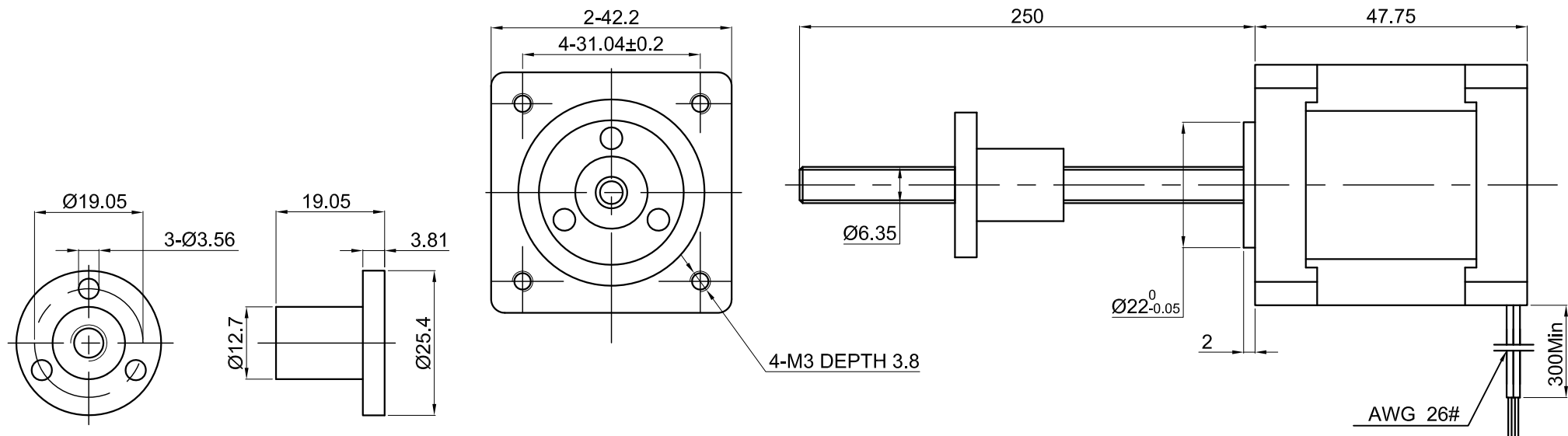


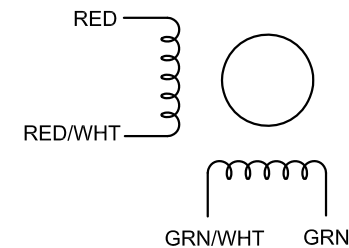


| SPECIFICATION                                                                     | CONNECTION | BIPOLAR    |
|-----------------------------------------------------------------------------------|------------|------------|
| VOTAGE(VOC)                                                                       |            | 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)                                         |            |            |

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

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

| STEP | A | B | A\ | B\ |                                                                                                                                                                     |     |
|------|---|---|----|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 1    | + | + | -  | -  | <div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 10px;">↓</div> <div style="margin-right: 10px;">↑</div> </div> | CCW |
| 2    | - | + | +  | -  |                                                                                                                                                                     |     |
| 3    | - | - | +  | +  |                                                                                                                                                                     |     |
| 4    | + | - | -  | +  |                                                                                                                                                                     |     |



|  |       |           |      |  |                   |
|--|-------|-----------|------|--|-------------------|
|  |       | APVD      |      |  | STEPPER MOTOR     |
|  |       | CHKD      |      |  |                   |
|  | 1:1   | DRN       |      |  | 17LS19-1304P-250E |
|  | SCALE | SIGNATURE | DATE |  |                   |