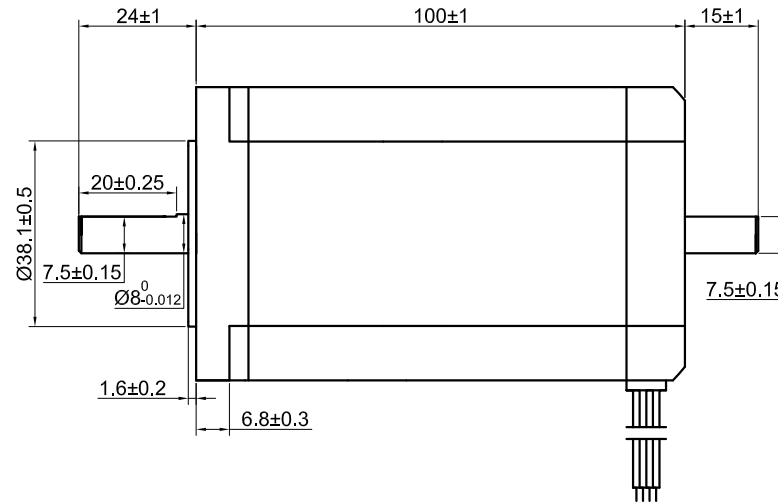
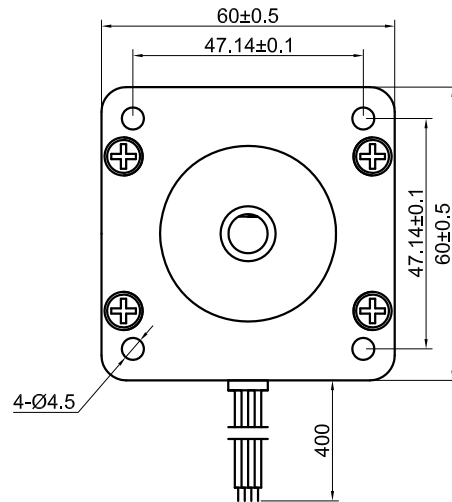
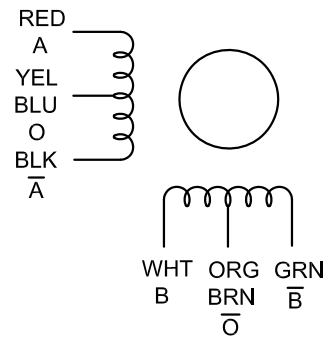


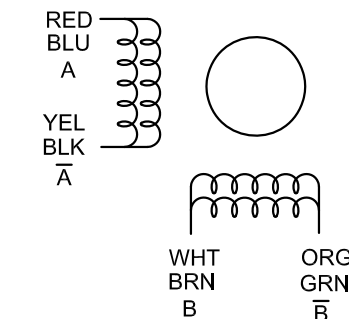


| SPECIFICATION \ CONNECTION                                                        |  | UNIPOLAR    | BIPOLAR (SERIAL) | BIPOLAR (PARALLEL) | UNIPOLAR |           |  | BIPOLAR SERIES |  |              |  |  |
|-----------------------------------------------------------------------------------|--|-------------|------------------|--------------------|----------|-----------|--|----------------|--|--------------|--|--|
| VOTAGE(VOC)                                                                       |  | 4.20        | 5.94             | 2.96               |          |           |  |                |  |              |  |  |
| AMPS/PHASE                                                                        |  | 3.00        | 2.12             | 4.24               |          |           |  |                |  |              |  |  |
| RESISTANCE/PHASE(Ohms)@25°C                                                       |  | 1.40±10%    | 2.80±10%         | 0.70±10%           |          |           |  |                |  |              |  |  |
| INDUCTANCE/PHASE(mH)@1KHz                                                         |  | 3.00±20%    | 12.00±20%        | 3.00±20%           |          |           |  |                |  |              |  |  |
| HOLDING TORQUE(Nm)[lb-in]                                                         |  | 2.80[24.78] | 4.00[35.40]      | 4.00[35.40]        |          |           |  |                |  |              |  |  |
| STEP ANGLE(°)                                                                     |  | 1.80        |                  |                    |          |           |  |                |  |              |  |  |
| STEP ACCURACY(NON-ACCUM)                                                          |  | ±5.00%      |                  |                    |          |           |  |                |  |              |  |  |
| ROTOR INERTIA(g-cm²)                                                              |  | 980.00      |                  |                    |          |           |  |                |  |              |  |  |
| WEIGHT(Kg)[lb]                                                                    |  | 1.60[3.53]  |                  |                    |          |           |  |                |  |              |  |  |
| 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               |          |           |  | STEPPER MOTOR  |  |              |  |  |
|                                                                                   |  |             |                  | CHKD               |          |           |  |                |  |              |  |  |
|                                                                                   |  |             |                  | 1:1.5              |          | DRN       |  |                |  | 24HS39-3008D |  |  |
|                                                                                   |  |             |                  | SCALE              |          | SIGNATURE |  | DATE           |  |              |  |  |

### UNIPOLAR



### BIPOLAR PARALLEL



### BIPOLAR SERIES

