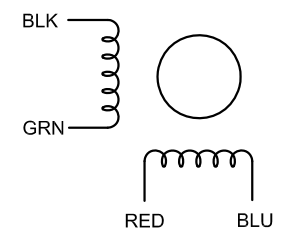


| SPECIFICATION   | CONNECTION | BIPOLAR    |
|---|------------|------------|
| AMPS/PHASE  |            | 2.00       |
| RESISTANCE/PHASE(Ohms)@25°C   |            | 1.45±10%   |
| INDUCTANCE/PHASE(mH)@1KHz   |            | 4.00±20%   |
| HOLDING TORQUE(Nm)[lb-in]   |            | 0.46[4.07] |
| STEP ANGLE(°)   |            | 0.90       |
| STEP ACCURACY(NON-ACCUM)  |            | ±5.00%     |
| ROTOR INERTIA(g-cm²)  |            | 68.00      |
| WEIGHT(Kg)[lb]  |            | 0.37[0.82] |
| 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 (EXTERN) |         | MOTOR |         |
|-----------------------------|---------|-------|---------|
| PIN NO                      | BIPOLAR | LEADS | WINDING |
| 1                           | A+ —    | BLK   |         |
| 2                           | A- —    | GRN   |         |
| 3                           | B+ —    | RED   |         |
| 4                           | B- —    | BLU   |         |

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

| STEP | A+ | B+ | A- | B- |   | CCW |
|------|----|----|----|----|---|-----|
| 1    | +  | +  | -  | -  | ↓ | ↑   |
| 2    | -  | +  | +  | -  |   |     |
| 3    | -  | -  | +  | +  | ↑ | ↓   |
| 4    | +  | -  | -  | +  |   |     |



|       |           |            |
|-------|-----------|------------|
| APVD  |           | 10.31.2020 |
| CHKD  |           |            |
| 1:1   | DRN       |            |
| SCALE | SIGNATURE | DATE       |

**STEPPER MOTOR**

**17HM19-2004S1**