



| SPECIFICATION | CONNECTION | BIPOLAR |
|--|------------|------------|
| AMPS/PHASE | | 6.00 |
| RESISTANCE/PHASE(Ohms)@20°C | | 0.42±10% |
| INDUCTANCE/PHASE(mH)@1KHz | | 3.50±20% |
| HOLDING TORQUE(Nm)[lb-in] | | 4.8[42.52] |
| STEP ANGLE(°) | | 1.80±5.00% |
| ROTOR INERTIA(g-cm²) | | — |
| WEIGHT(Kg)[lb] | | — |
| RELIABILITY:MTBF 6000 HOURS OR MORE.@24V/300RPM | | |
| TEMPERATURE RISE:MAX.80°C (MOTOR STANDSTILL;FOR 2PHASE ENERGIZED) | | |
| AMBIENT TEMPERATURE -20°C~50°C[-4°F~122°F] | | |
| INSULATION CLASS B 130°C[266°F] | | |
| DIELECTRIC STRENGTH 500VAC FOR 1MIN.(BETWEEN THE MOTOR COILS AND THE MOTOR CASE) | | |

| PIN NO | TYPE OF CONNECTION (EXTERN) | | MOTOR | |
|--------|-----------------------------|-------|-------|---------|
| | BIPOLAR | LEADS | LEADS | WINDING |
| 1 | A+ | | | A+ |
| 2 | A- | | | A- |
| 3 | B+ | | | B+ |
| 4 | B- | | | B- |

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

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

ENCODER RESOLUTION:1000PPR(4000CPR)

| 15-PIN DB MALE PLUG | 1 | 2 | 3 | 11 | 12 | 13 |
|---------------------|-----|-----|-----|-----|-----|-----|
| DESCRIPTION | EA+ | VCC | GND | EB+ | EB- | EA- |



| | | |
|-------|-----------|------------|
| APVD | | 10.16.2021 |
| CHKD | | |
| 1:1.5 | DRN | |
| SCALE | SIGNATURE | DATE |

STEPPER MOTOR
34HE31-6004D-E1000