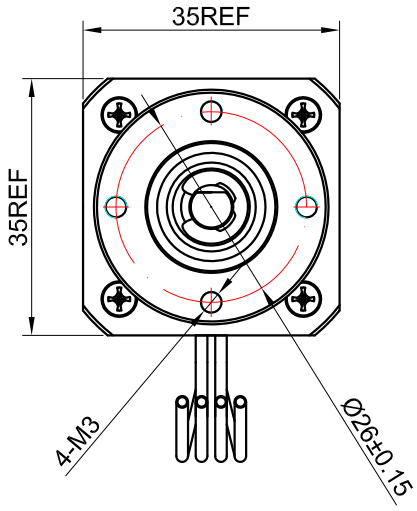
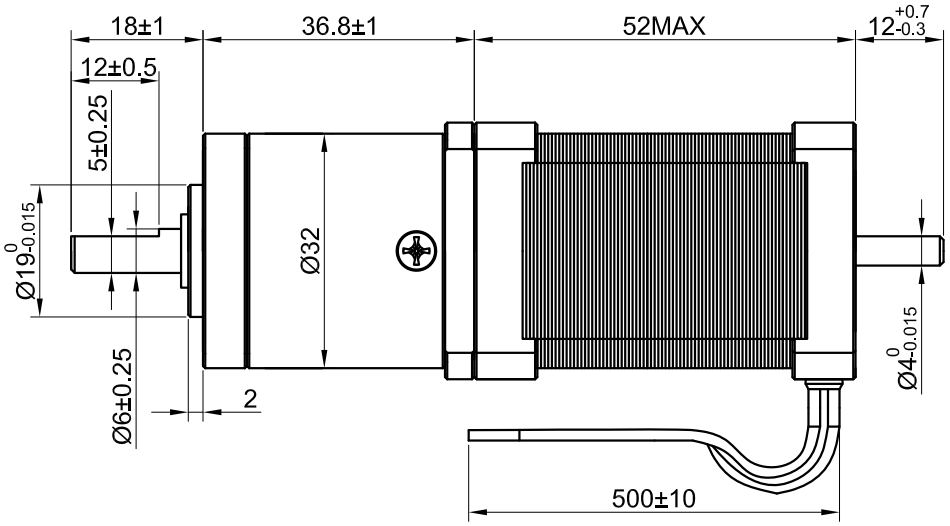
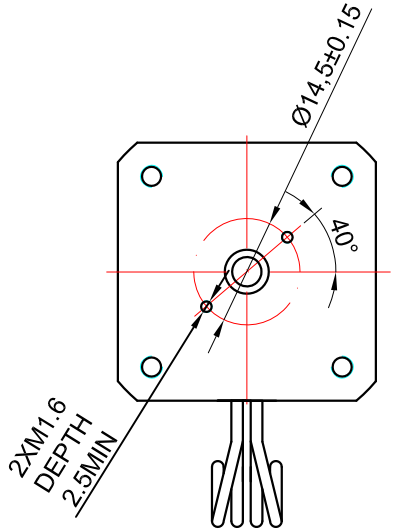


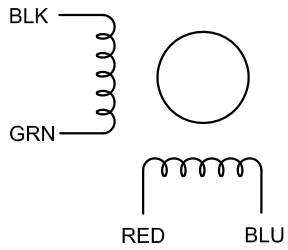




| SPECIFICATION / CONNECTION | BIPOLAR |
|---|---|
| AMPS/PHASE | 1.50 |
| RESISTANCE/PHASE(Ohms)@25°C | 2.80±10% |
| INDUCTANCE/PHASE(mH)@1KHz | 3.80±20% |
| HOLDING TORQUE w/o GEARBOX(Nm)[lb-in] | 0.40[3.54] |
| GEAR RATIO | $13\frac{212}{289}$ |
| EFFICIENCY | 80.00% |
| STEP ANGLE w/o GEARBOX(°) | 1.80 |
| BACKLASH@NO-LOAD | <=1° |
| MAX.PERMISSIBLE TORQUE(Nm) | 4.00 |
| MOMENT PERMISSIBLE TORQUE(Nm) | 8.00 |
| SHAFT MAXIMUM AXIAL LOAD(N) | 50.00 |
| SHAFT MAXIMUM RADIAL LOAD(N) | 100.00 |
| WEIGHT(Kg)[lb] | 0.45[0.99] |
| TEMPERATURE RISE:MAX.80°C（MOTOR STANDSTILL;FOR 2PHASE ENERGIZED） | |
| AMBIENT TEMPERATURE -10°C~50°C[14°F~122°F] | |
| INSULATION CLASS B 130°C[266°F] | |

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

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

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




OYSTEPPER

| | | | | |
|---|---|---|---|---|
| | APVD | | 8.18.2018 | STEPPER MOTOR |
| | CHKD | | | |
| 1:1 | DRN | | | 14HS20-1504D-PG14 |
| SCALE | SIGNATURE | | DATE | |