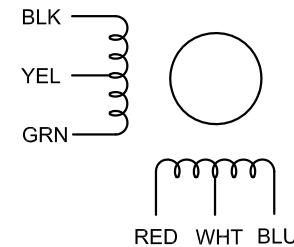


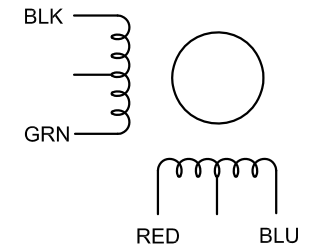
| SPECIFICATION | CONNECTION | UNIPOLAR |
|--|------------|------------------------------------|
| VOTAGE(VOC) | | 12.00 |
| AMPS/PHASE | | 0.40 |
| RESISTANCE/PHASE(Ohms)@25°C | | 30.00±10% |
| INDUCTANCE/PHASE(mH)@1KHz | | 25.00±20% |
| HOLDING TORQUE w/o GEARBOX(Nm)[lb-in] | | 0.32[2.83] |
| GEAR RATIO | | 13 ²¹² / ₂₆₉ |
| EFFICIENCY | | 81.00% |
| STEP ANGLE w/o GEARBOX(°) | | 1.80 |
| BACKLASH@NO-LOAD | | <=1° |
| MAX.PERMISSIBLE TORQUE(Nm) | | 3.00 |
| MOMENT PERMISSIBLE TORQUE(Nm) | | 5.00 |
| SHAFT MAXIMUM AXIAL LOAD(N) | | 50.00 |
| SHAFT MAXIMUM RADIAL LOAD(N) | | 100.00 |
| WEIGHT(Kg)[lb] | | 0.55[1.21] |
| 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] | | |

| STEP | A | B | \bar{A} | \bar{B} | O(\bar{O}) | CW |
|------|---|---|-----------|-----------|----------------|----|
| 1 | + | + | | | + | ↓ |
| 2 | | + | + | | + | |
| 3 | | | + | + | + | |
| 4 | + | | | + | + | |
| 1 | + | + | | | + | |

UNIPOLAR



BIPOLAR



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

STEPPER MOTOR

17HS19-0406S-PG14