



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

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

| WINDING | | CONNECTION | | SPECIFICATION | |
|---------|---------|------------|-----------------------------------|------------------------------|------------------------|
| | | BIPOLAR | | BIPOLAR | |
| PIN NO | BIPOLAR | LEADS | AMP S/P HASE | RESISTANCE/PHASE (Ohms)@25°C | 2.50 |
| 1 | A+ | GRY | INDUCTANCE/PHASE (mH)@1KHz | 1.20±10% | |
| 2 | A- | BRN | HOLDING TORQUE(Nm)[lb-in] | 1.50±20% | 0.55[4.87] |
| 3 | B+ | ORG | STEP ANGLE(°) | | 1.80 |
| 4 | B- | YEL | STEP ACCURACY(NON-ACCUM) | | ±5.00% |
| | | | ROTOR INERTIA(g-cm ²) | | 82.00 |
| | | | WEIGHT(Kg)[lb] | | — |
| | | | AMBIENT TEMPERATURE | | -10°C~50°C[14°F~122°F] |
| | | | INSULATION CLASS | | H 180°C[356°F] |
| | | | TEMPERATURE RISE | | MAX.125°C |



mm

UNITS

1 : 1

SCALE

UNIT mm
GB/T 1804-M EQV. ISO
2768-1 CLASS M:
≤6 ±0.1
>6~30 ±0.2
>30~120 ±0.3
>120~400 ±0.5

OSMTEC

Stepper Motor Specialists

STEPPER MOTOR

17HS19-2004S1-H

| | | |
|-----------|-----|-----------|
| DRN | LDJ | 1.13.2026 |
| APVD | ZPJ | 1.19.2026 |
| SIGNATURE | | DATE |