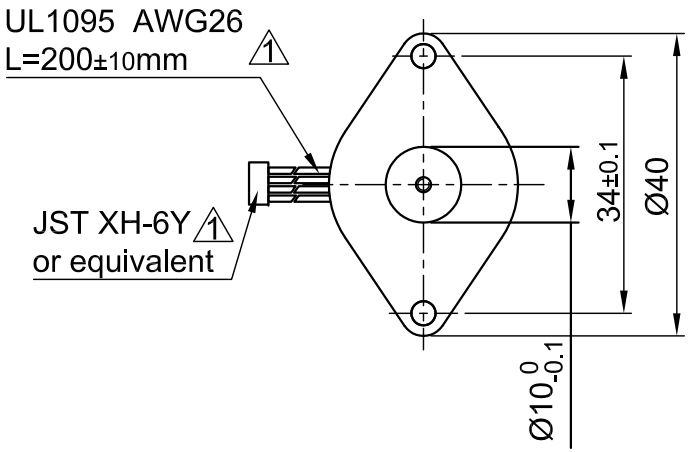
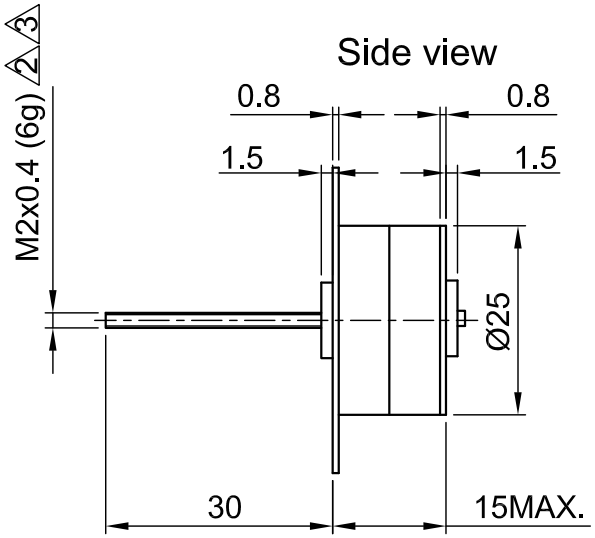
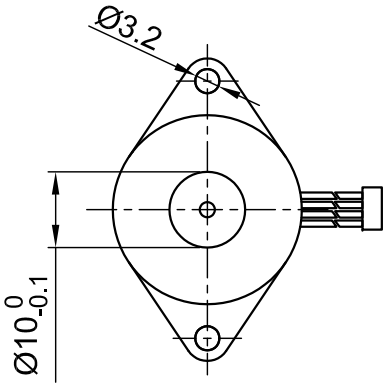
## Front view and mounting




## Side view




## Rear view

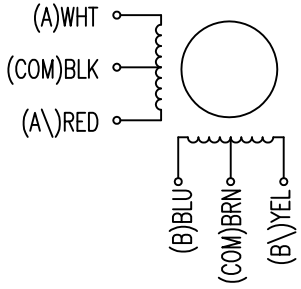



| SPECIFICATION \ CONNECTION | UNIPOLAR OR BIPOLAR–1 WINDING | BIPOLAR SERIAL |
|---|---|---|
| VOLTAGE (VDC) | 5.0 | 7.0 |
| AMPS/PHASE | 0.5 | 0.35 |
| RESISTANCE/PHASE (Ohms)@25°C | 10±10% | 20±10% |
| INDUCTANCE/PHASE (mH) @1KHz | 2.0±20% | 8.0±20% |
| HOLDING TORQUE (Nm) [lb–in] | 0.012 [0.106] | 0.017 [0.15] |
| DETENT TORQUE (Nm) [lb–in] | $4.5x10^{-3}$ [0.039] 1 | |
| STEP ANGLE (°) | 7.5 | |
| STEP ACCURACY (NON–ACCUM) | ±7% | |
| ROTOR INERTIA (Kg–$m^2$) [lb–$in^2$] | $1.0x10^{-9}$ [$3.416x10^{-6}$ ] | |
| WEIGHT (Kg) [lb] | 0.0312 [0.069] | |
| TEMPERATURE RISE: MAX.70°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED) | | |
| AMBIENT TEMPERATURE –10°~ 40°C [14°F ~ 104°F] | | |
| INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY) | | |
| INSULATION CLASS E 120° [248°F] | | |
| DIELECTRIC STRENGTH 600VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE) | | |
| AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION) | | |

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

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

WIRING DIAGRAM




| TYPE OF CONNECTION (EXTERN) | | | MOTOR | | |
|---|---|---|---|---|---|
| UNIPOLAR | BIPOLAR 1WINDING | BIPOLAR SERIAL | CONNECTOR PIN NO. | LEADS | WINDING |
| A | A | A | 1 | WHT | A |
| COM | COM | | 5 | BLK | COM |
| A\ | | A\ | 3 | RED | A\ |
| B | B | B | 2 | BLU | B |
| COM | COM | | 6 | BRN | COM |
| B\ | | B\ | 4 | YEL | B\ |

| REV | DESCRIPTION | DATE | APVD |
|---|---|---|---|
| 3 | TOLERANCE CHANGED | 26.10.12 | J.W. |
| 2 | TOLERANCE SUPPLEMENTED | 10.10.11 | J.W. |
| 1 | TOLERANCE + CONNECTOR+DETEND TORQUE | 26.07.10 | J.W. |

Nanotec® PLUG & DRIVE

LSP2575M0506–M2x0.4

| SCALE FREE | | APVD | S.K. | 23.06.05 |
|---|---|---|---|---|
| X | ±0.5 | CHKD | | |
| 1PL | ±0.2 | DRN | J.W. | 23.06.05 |
| 2PL | ±0.1 | SIGNATURE | | DATE |
| ANGLE | ±30' | | | |

*STEPPING MOTOR*

DWG.NO
LSP2575M0506–M2x0.4