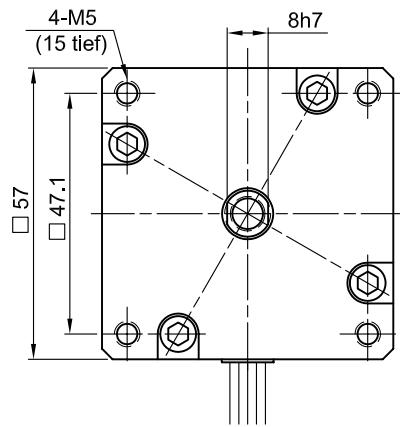
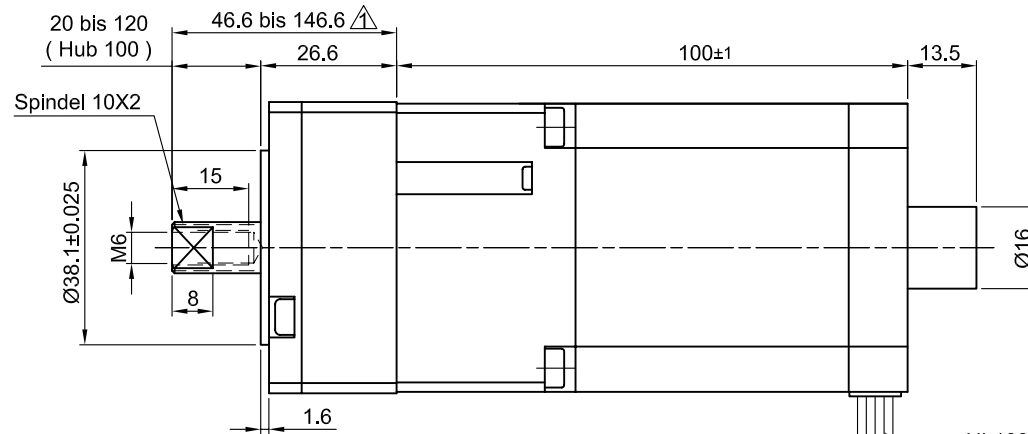


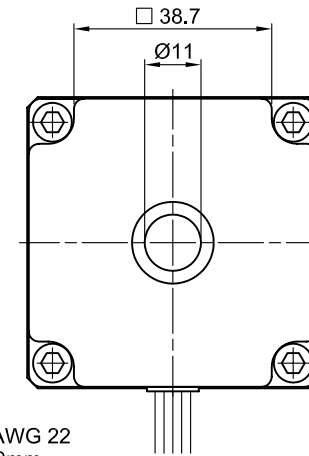
Front view and mounting



Side view



Rear view

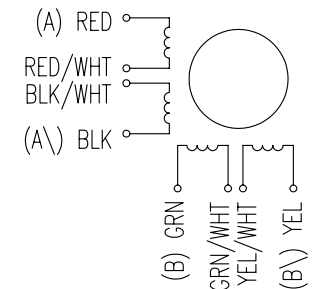


UL1007 AWG 22
L=300+10mm
(no connector!)

| SPECIFICATION | CONNECTION | UNIPOLAR OR BIPOLAR-1 WINDING | BIPOLAR | |
|--|------------|----------------------------------|---------|----------|
| | | | SERIAL | PARALLEL |
| AMPS/PHASE | | 3.0 | 2.1 | 4.2 |
| RESISTANCE/PHASE (Ohms)@25°C | | 1.0±10% | 2.0±10% | 0.5±10% |
| INDUCTANCE/PHASE (mH) @1KHz | | 2.2±20% | 8.8±20% | 2.2±20% |
| MAX. THUST (N) [lbf] | | 1800 [405] | | |
| MAX. FEED (mm/sec.) | | 50 | | |
| RESOLUTION (mm/STEP) | | 0.01 | | |
| POSITIONING ACCURACY (mm) | | 0.01 | | |
| SPINDLE PITCH (mm) | | 2 | | |
| STROKE (mm) | | 100 | | |
| WEIGHT (Kg) [lb] | | 1.65 [3.64] | | |
| TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED) | | | | |
| AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F] | | | | |
| INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY) | | | | |
| INSULATION CLASS B 130° [266°F] | | | | |
| DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE) | | | | |
| AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION) | | | | |

| TYPE OF CONNECTION (EXTERN) | | | | MOTOR | |
|-----------------------------|----------|--------|----------|---------|---------|
| UNIPOLAR | BIPOLAR | | | LEADS | WINDING |
| | 1WINDING | SERIAL | PARALLEL | | |
| A — | A — | A — | A — | RED | A |
| COM — | | | | RED/WHT | |
| A\ — | | A\ — | A\ — | BLK/WHT | A\ |
| B — | B — | B — | B — | BLK | B |
| COM — | | | | GRN | |
| B\ — | | B\ — | B\ — | GRN/WHT | B\ |
| | | | | YEL/WHT | |
| | | | | YEL | |

WIRING DIAGRAM



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

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

| NANOTEC: | | | | SCALE FREE | APVD | <i>S.Ha.</i> | 13.06.07 | STEPPING MOTOR |
|----------|-----------------------|----------|------|------------|-----------|--------------|----------|-----------------------|
| 1 | LENGTH 126.6 TO 146.6 | 14.11.07 | J.W. | X ±0.5 | CHKD | | | |
| REV | DESCRIPTION | DATE | APVD | 1PL ±0.2 | DRN | <i>J.W.</i> | 13.06.07 | LK5718L3008 |
| | | | | 2PL ±0.1 | SIGNATURE | | DATE | |
| | | | | ANGLE ±30' | | | | |