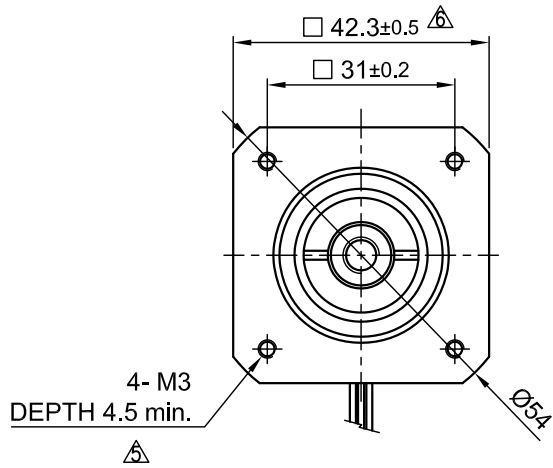
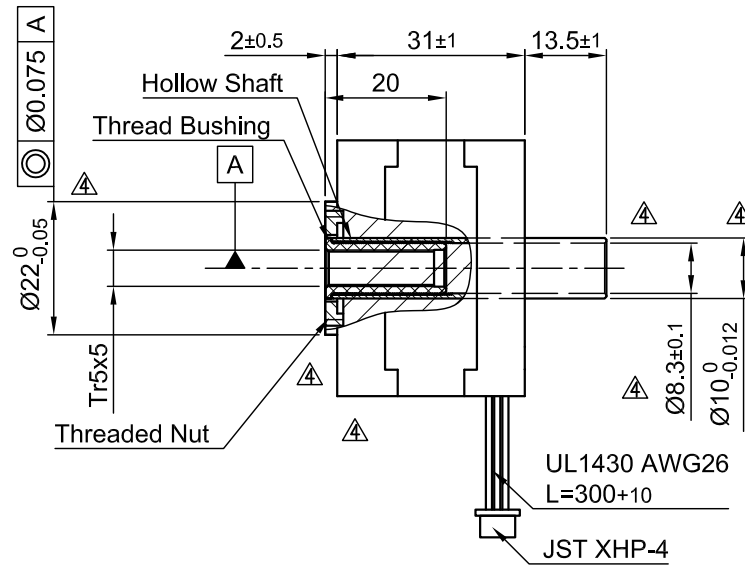


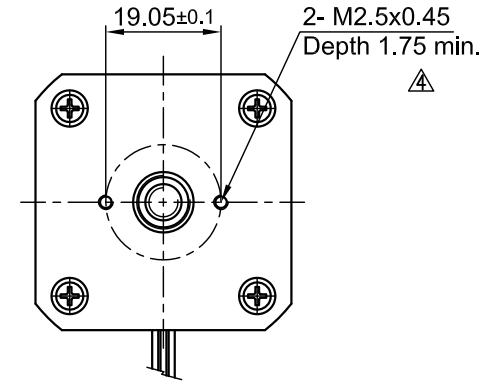
Front view and mounting



Side view



Rear view

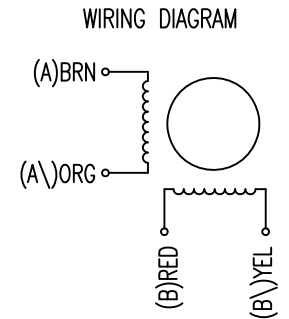


| SPECIFICATION  |                             |
|--|-----------------------------|
| AMPS/PHASE   | 1.4                         |
| RESISTANCE/PHASE (Ohms)@25°C   | 2.0±15%                     |
| INDUCTANCE/PHASE (mH) @1KHz  | 2.8±20% $\triangle$         |
| SPINDLE PITCH (mm) [in]  | 5 [0.197]                   |
| THRUST (N)   | 120 $\triangle$ $\triangle$ |
| RESOLUTION (mm/STEP)   | 0.025                       |
| STATIC THRUST (N) (NO CURRENT)   | 30 $\triangle$              |
| MAX. SPEED (mm/sec.) AT 48V  | 65 $\triangle$ $\triangle$  |
| WEIGHT (Kg) [lb]   | 0.2 [0.44]                  |
| 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)  |                             |

Please regard the application note at [www.nanotec.com](http://www.nanotec.com) for further informations.  $\triangle$

Shaft play is adjustable at the motor.

| TYPE OF CONNECTION (EXTERN) |         | MOTOR |         |
|-----------------------------|---------|-------|---------|
| PIN NO                      | BIPOLAR | LEADS | WINDING |
| 1                           | A —     | BRN   | A       |
| 2                           | A\ —    | ORG   | A\      |
| 3                           | B —     | RED   | B       |
| 4                           | B\ —    | YEL   | B\      |



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

| STEP | A | B | A\ | B\ | CW           |
|------|---|---|----|----|--------------|
| 1    | + | + | -  | -  | $\downarrow$ |
| 2    | - | + | +  | -  |              |
| 3    | - | - | +  | +  | $\uparrow$   |
| 4    | + | - | -  | +  |              |

|       |                                  |          |      |   |  |                                  |           |                        |          |                           |
|-------|----------------------------------|----------|------|---|--|----------------------------------|-----------|------------------------|----------|---------------------------|
| 6     | change tolerance                 | 15.09.16 | A.S. | <b>Nanotec</b> <sup>®</sup><br>PLUG & DRIVE | APVD                                   | S.H.                             | 04.06.09  | <b>LINEAR ACTUATOR</b> |          |                           |
| 5     | change tolerance M3 deep         | 09.09.15 | A.S. |   | CHKD                                   |                                  |           |                        |          |                           |
| 4(7x) | change threaded hole/ tolerances | 16.07.15 | A.S. | Surface specification<br>DIN ISO 1302       | General tolerances<br>DIN ISO 2768- cH | Work piece edge<br>DIN ISO 13715 | DRN       | J.W.                   | 04.06.09 | DWG.NO<br>L4118S1404-T5x5 |
| REV   | DESCRIPTION                      | DATE     | DRN  |   |  |                                  | SIGNATURE | DATE                   |          |                           |