



| SPECIFICATION   | CONNECTION | BIPOLAR  |
|---|------------|----------|
| VOTAGE(VOC)   |            | 5.00     |
| AMPS/PHASE  |            | 0.42     |
| RESISTANCE/PHASE(Ohms)@25°C   |            | 11.4±10% |
| INDUCTANCE/PHASE(mH)@1KHz   |            | 6.00±20% |
| MINIMAL THRUST(N)@300 PPS   |            | 57.00    |
| LEAD(mm)  |            | 0.635    |
| LINEAR TRAVEL/STEP(mm)  |            | 0.003175 |
| STEP ANGLE(°)   |            | 1.80     |
| STEP ACCURACY(NON-ACCUM)  |            | ±5.00%   |
| LEAD TYPE   |            | AWG 26   |
| TEMPERATURE RISE:MAX.80°C (MOTOR STANDSTILL;FOR 2PHASE ENERGIZED )                |            |          |
| AMBIENT TEMPERATURE -10°C~50°C[14°F~122°F]  |            |          |
| INSULATION RESISTANCE 100 Mohm (UNDER NORMAL TEMPERATURE AND HUMIDITY )           |            |          |
| INSULATION CLASS B 130°C[266°F]   |            |          |
| DIELECTRIC STRENGTH 500VAC FOR 1MIN.(BETWEEN THE MOTOR COILS AND THE MOTOR CASE ) |            |          |
| AMBIENT HUMIDITY MAX.85%(NO CONDENSATION)   |            |          |

| TYPE OF CONNECTION (EXTERN) |         | MOTOR   |             |
|-----------------------------|---------|---------|-------------|
| PIN NO                      | BIPOLAR | LEADS   | WINDING     |
| 1                           | A —     | RED     | A —<br>A\ — |
| 2                           | A\ —    | RED/WHT |             |
| 3                           | B —     | GRN/WHT | B —<br>B\ — |
| 4                           | B\ —    | GRN     |             |

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

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



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

## STEPPER MOTOR

11LS13-04247-150N