

| SPECIFICATION               | CONNECTION | BIPOLAR  |
|-----------------------------|------------|----------|
| VOTAGE(VOC)                 |            | 5.00     |
| AMPS/PHASE                  |            | 3.12     |
| RESISTANCE/PHASE(Ohms)@25°C |            | 1.60±10% |
| INDUCTANCE/PHASE(mH)@1KHz   |            | 8.80±20% |
| MINIMAL THRUST(N)@300 PPS   |            | 1000.00  |
| LEAD(mm)                    |            | 2.54     |
| LINEAR TRAVEL/STEP(mm)      |            | 0.0127   |
| STEP ANGLE(°)               |            | 1.80     |
| STEP ACCURACY(NON-ACCUM)    |            | ±5.00%   |
| LEAD TYPE                   |            | AWG 20   |

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]

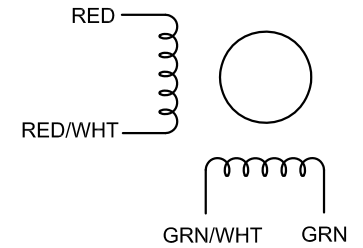
DIELECTRIC STRENGTH 500VAC FOR 1MIN.(BETWEEN THE MOTOR COILS AND THE MOTOR CASE )

AMBIENT HUMIDITY MAX.85%(NO CONDENSATION)

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

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

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



|       |           |      |  |
|-------|-----------|------|--|
|       | APVD      |      |  |
|       | CHKD      |      |  |
| 1:2   | DRN       |      |  |
| SCALE | SIGNATURE | DATE |  |

## STEPPER MOTOR

34LS31-31243-150N