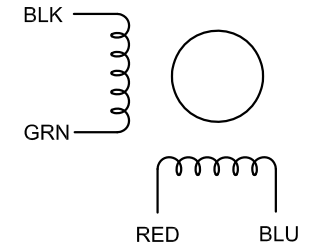


| SPECIFICATION                         | CONNECTION | BIPOLAR    |
|---------------------------------------|------------|------------|
| VOTAGE(VOC)                           |            | 2.70       |
| AMPS/PHASE                            |            | 1.68       |
| RESISTANCE/PHASE(Ohms)@25°C           |            | 1.60±10%   |
| INDUCTANCE/PHASE(mH)@1KHz             |            | 3.20±20%   |
| HOLDING TORQUE w/o GEARBOX(Nm)[lb-in] |            | 0.39[3.45] |
| GEAR RATIO                            |            | 3          |
| EFFICIENCY                            |            | 95.00%     |
| STEP ANGLE w/o GEARBOX(°)             |            | 1.80       |
| BACKLASH@NO-LOAD(arcmin)              |            | <=15       |
| MAX.PERMISSIBLE TORQUE(Nm)            |            | 3.50       |
| MOMENT PERMISSIBLE TORQUE(Nm)         |            | 6.00       |
| WEIGHT(kg)                            |            | 0.68       |
| LIFE(h)                               |            | 20000.00   |
| AMBIENT TEMPERATURE(°C)               |            | -10 ~ 50   |
| INSULATION CLASS                      |            | B          |
| NOISE(bB)                             |            | <=50       |
| MAX. RADIAL LOAD(N)                   |            | 150        |

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

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

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



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

## STEPPER MOTOR

17HS15-1684S-HG3