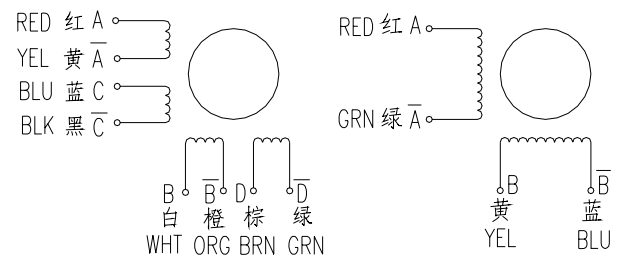


# 2 Phase Hybrid Stepper Motor 24HS series-Size 60mm(1.8 degree)



## Wiring Diagram:



UNI/BI-POLAR(8 LEADS)

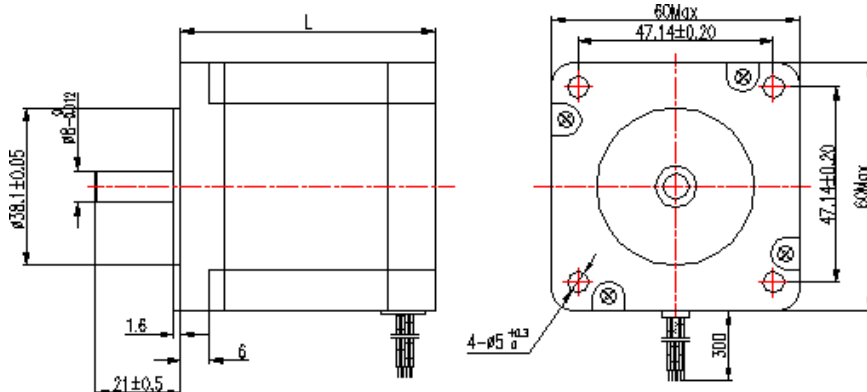
BI-POLAR(4LEADS)

## Electrical Specifications:

| Series Model | Step Angle (deg)  | Motor Length (mm) | Rated Current (A) | Phase Resistance (ohm) | Phase Inductance (mH) | Holding Torque (N.cm Min) | Detent Torque (N.cm Max) | Rotor Inertia (g.cm <sup>2</sup> ) | Lead Wire (No.) | Motor Weight (g) |
|--------------|-------------------|-------------------|-------------------|------------------------|-----------------------|---------------------------|--------------------------|------------------------------------|-----------------|------------------|
| 24HS4428     | 1.8               | 45                | 2.8               | 0.6                    | 1.3                   | 90                        | 2.8                      | 190                                | 4               | 570              |
| 24HS7428     | 1.8               | 76                | 2.8               | 1.4                    | 3.8                   | 220                       | 8                        | 380                                | 4               | 1000             |
| 24HS1442     | 1.8               | 90                | 4.2               | 0.7                    | 3.2                   | 300                       | 10                       | 680                                | 4               | 1300             |
| 24HS1428     | 1.8               | 90                | 2.8               | 1.4                    | 5.6                   | 300                       | 10                       | 680                                | 4               | 1300             |
| 24HS1830     | U<br>B(s)<br>B(p) | 1.8<br>90         | 3.0               | 1.4                    | 3.2                   | 212                       | 10                       | 680                                | 8               | 1300             |
|              |                   |                   | 2.1               | 2.8                    | 12.8                  | 300                       |                          |                                    |                 |                  |
|              |                   |                   | 4.2               | 0.7                    | 3.2                   | 300                       |                          |                                    |                 |                  |

\*Note: We can manufacture products according to customer's requirements.

## Dimensions: unit=mm



## Motor Length:

| Model     | Length |
|-----------|--------|
| 24HS4XXX  | 45 mm  |
| 24HS 5XXX | 56 mm  |
| 24HS 6XXX | 64 mm  |
| 24HS 7XXX | 76 mm  |
| 24HS 1XXX | 90 mm  |