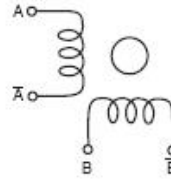


- Step Angle 1.8°±5%
- Insulation Resistant 500V DC 100MO Min
- Insulation Strength 50Hz 1Minute 500V Min
- Ambient Temperature -20°C~+50°C
- Temperature Rise 80°C Max
- Shaft Radial Play 0.02mm Max
- Shaft End Play 0.1-0.3mm

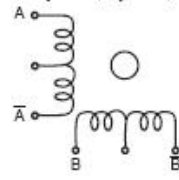


Stepper Motor

Bipolar (2-phase)



Unipolar (4-phase)



42BYG/BYGH Series HB Stepper Motors

| Kysan # | MFG# | No. of Phase | Voltage (V) | Current (A) | Resistance (Ohms) | Inductance (mH) | Holding Torque (g.cm) | Weight (Kg) | Size(mm) | | Price(US\$) | | |
|---------|--------------|--------------|-------------|-------------|-------------------|-----------------|-----------------------|-------------|----------|----|-------------|-------|-------|
| | | | | | | | | | L0 | L1 | 1+ | 10+ | 100+ |
| 1123001 | 42BYG014 | 4 | 8.5 | 0.45 | 19 | 13 | 1300 | 0.22 | 38 | 5 | 16.47 | 14.82 | 13.34 |
| 1123002 | 42BYG016 | 4 | 12 | 0.16 | 75 | 55 | 900 | 0.2 | 33.5 | 17 | 15.63 | 14.07 | 12.66 |
| 1123003 | 42BYG017 | 2 | 6.3 | 0.42 | 15 | 16 | 1400 | 0.22 | 34 | 13 | 16.47 | 14.82 | 13.34 |
| 1123004 | 42BYG023-2 | 2 | 12 | 0.4 | 30 | 36 | 2100 | 0.22 | 33 | 5 | 20.57 | 18.51 | 16.66 |
| 1123005 | 42BYG034 | 2 | 14 | 0.4 | 35 | 44 | 2300 | 0.2 | 33.5 | 24 | 15.63 | 14.07 | 12.66 |
| 1123006 | 42BYG205 | 4 | 12 | 0.16 | 75 | 15 | 1320 | 0.22 | 36 | 5 | 15.63 | 14.07 | 12.66 |
| 1123007 | 42BYG228 | 4 | 12 | 0.4 | 30 | 23 | 2000 | 0.24 | 38 | 5 | 15.63 | 14.07 | 12.66 |
| 1123008 | 42BYG023 | 2 | 12 | 0.4 | 30 | 36 | 2100 | 0.2 | 33.5 | 16 | 15.63 | 14.07 | 12.66 |
| 1123009 | 42BYG304 | 2 | 12 | 0.3 | 40 | 80 | 2800 | 0.22 | 38 | 5 | 15.63 | 14.07 | 12.66 |
| 1123010 | 42BYG015 | 4 | 48 | 0.3 | 160 | 50 | 1250 | 0.22 | 38 | 5 | 15.63 | 14.07 | 12.66 |
| 1123011 | 42BYGH020 | 2 | 9.2 | 0.24 | 38 | 52 | 664 | 0.25 | 32 | 6 | 17.50 | 15.75 | 14.18 |
| 1123012 | 42BYG019 | 4 | 11 | 0.28 | 39.4 | 23.5 | 1200 | 0.2 | 33.5 | 16 | 15.63 | 14.07 | 12.66 |
| 1123013 | 42BYG020 | 4 | 12 | 0.6 | 20 | 14 | 1700 | 0.2 | 33.5 | 16 | 15.63 | 14.07 | 12.66 |
| 1123014 | 42BYG206 | 2 | 3.2 | 1.2 | 2.7 | 5 | 2400 | 0.24 | 38 | 24 | 15.63 | 14.07 | 12.66 |
| 1123015 | 42BYG013 | 4 | 0.6 | 0.2 | 3 | 39 | 1000 | 0.2 | 33.5 | 16 | 15.63 | 14.07 | 12.66 |
| 1124001 | 42BYGH001 | 2 | 2 | 0.95 | 2.1 | 2.3 | 1700 | 0.22 | 34 | 24 | 17.50 | 15.75 | 14.18 |
| 1124002 | 42BYGH102 | 4 | 3 | 1.2 | 2.5 | 2.8 | 2400 | 0.24 | 39 | 24 | 18.53 | 16.68 | 15.01 |
| 1124003 | 42BYGH404 | 2 | 12 | 0.4 | 30 | 25 | 3200 | 0.27 | 48 | 24 | 21.07 | 18.96 | 17.06 |
| 1124004 | 42BYGH007 | 4 | 12 | 0.31 | 38.5 | 18 | 1500 | 0.2 | 34 | 20 | 17.50 | 15.75 | 14.18 |
| 1124005 | 42BYGH025 | 2 | 2.5 | 0.95 | 2.6 | 2.6 | 1700 | 0.2 | 34 | 20 | 17.50 | 15.75 | 14.18 |
| 1124006 | 42BYGH101 | 4 | 6 | 0.7 | 8.5 | 5.6 | 1500 | 0.24 | 39 | 24 | 17.50 | 15.75 | 14.18 |
| 1124007 | 42BYGH102-01 | 2 | 5 | 1 | 5 | 12 | 2600 | 0.24 | 39 | 24 | 17.50 | 15.75 | 14.18 |
| 1124008 | 42BYGH103 | 2 | 12 | 0.4 | 30 | 58 | 3800 | 0.24 | 39 | 24 | 17.50 | 15.75 | 14.18 |
| 1124009 | 42BYGH128 | 4 | 12 | 0.4 | 30 | 24 | 2500 | 0.24 | 39 | 24 | 17.50 | 15.75 | 14.18 |
| 1124010 | 42BYGH301 | 2 | 8.1 | 0.9 | 9 | 14 | 4400 | 0.34 | 48 | 34 | 17.50 | 15.75 | 14.18 |
| 1124011 | 42BYGH302 | 4 | 12 | 0.4 | 30 | 25 | 3200 | 0.34 | 48 | 34 | 17.50 | 15.75 | 14.18 |
| 1124012 | 42BYGH011 | 2 | 11.2 | 0.33 | 34 | 46 | 2400 | 0.2 | 34 | 20 | 17.50 | 15.75 | 14.18 |
| 1124013 | 42BYGH019 | 4 | 11.8 | 0.28 | 42 | 23 | 1800 | 0.2 | 34 | 22 | 17.50 | 15.75 | 14.18 |
| 1124014 | 42BYGH068 | 4 | 4 | 0.95 | 4.2 | 2.7 | 1700 | 0.2 | 34 | 22 | 17.50 | 15.75 | 14.18 |