Hybrid Stepper Motor

28BYGH Series

General Specifications

Step Accuracy Temperature Rise Ambient Temperature Range Insulation Resistance **Dielectric Strength** Customized solutions on request.

± 5% 80°C Max -20°C ~ +50°C 100 MΩ Min. 500 VDC 500 VAC 1 minute

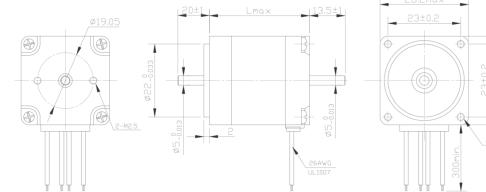


Hetai Motor

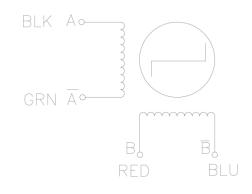
Electrical Specifications

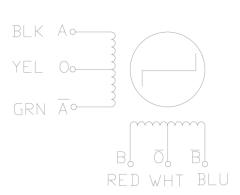
| Model | Step Angle | Motor Length | Rate Voltage | Rate Current | Phase Resistance | Phase Inductance | Holding Torque | Rotor Inertia | Lead Wire | Motor Weight |
|-----------|---------------|-----------------|-----------------|-----------------|---------------------|---------------------|-------------------|---------------------|--------------|-----------------|
| | 0 | L (mm) | V | A | Ω | mH | mNm | kgm ² | NO. | kg |
| 28BYGH102 | 1.8 | 32 | 3.9 | 0.67 | 5.8 | 3.2 | 58.8 | 9×10 ^{□7} | 4 | 0.11 |
| 28BYGH105 | 1.8 | | 2.66 | 0.95 | 2.8 | 1.0 | 42.2 | | 6 | |
| 28BYGH301 | 1.8 | 45 | 4.56 | 0.67 | 6.8 | 4.9 | 93.2 | 12×10 ⁰⁷ | 4 | 0.14 |
| 28BYGH303 | 1.8 | | 3.4 | 0.95 | 3.4 | 1.2 | 73.5 | | 6 | |
| 28BYGH501 | 1.8 | 51 | 8.04 | 0.67 | 12 | 7.2 | 117.7 | 18×10 ^{□7} | 4 | 0.2 |
| 28BYGH502 | 1.8 | | 3.8 | 0.95 | 4.0 | 1.1 | 88.3 | | 6 | |

Mechanical Dimensions



Wiring Diagram





6 Leads

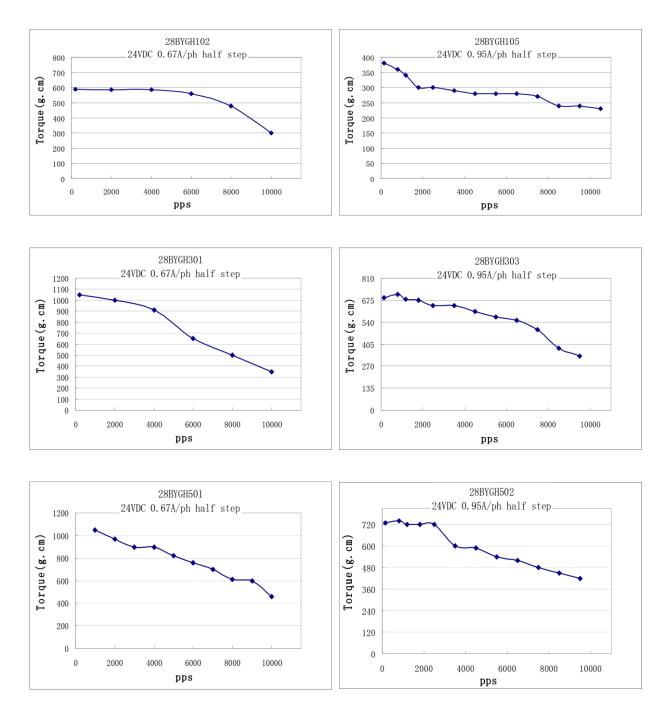


4 Leads

The specifications are believed to be accurate and reliable. However, the suitability has to be determined for a specific application. Specifications are subject to change without notice.

Hybrid Stepper Motor

Pulse-Tourque Characteristics





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