

HYBRID STEPPER MOTOR

H421(42mm) – 1.8°/step, 2/4 Phase

GENERAL SPECIFICATIONS

Step Angle(Accuracy) ----- 0.9°(±5%)
 Resistance Accuracy ----- ±10%
 Inductance Accuracy ----- ±20%
 Temperature Rise ----- 80°C Max.
 Ambient Temperature ----- -10°C~50°C
 Insulation Resistance ----- 100Mohm Min, 50VDC
 Dielectric Strength ----- 500VAC for one minute
 Shaft Radial Play ----- 0.06Max. (450 g-load)
 Shaft Axial Play ----- 0.08Max.(450 g-load)

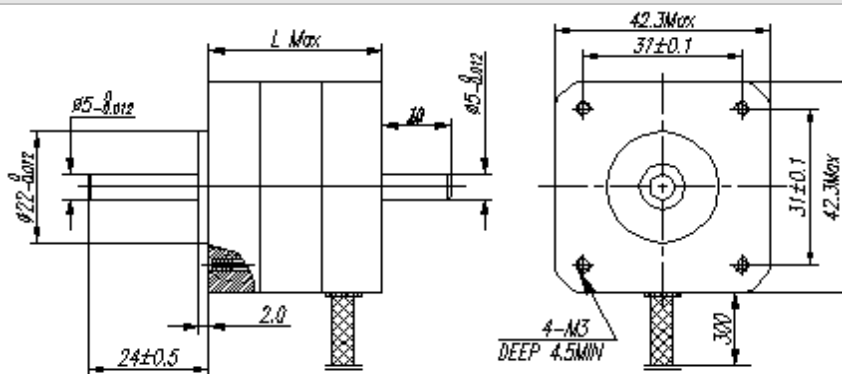
Picture



Electrical Specification

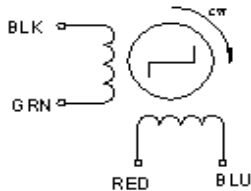
Series Model	Step Angle (o)	L (mm)	Rated Current (A)	Phase Resistance (Ω)	Phase Inductance (mH)	Holding Torque (N.cm)	Detent Torque (N.cm)	Lead Wire (NO.)	Motor Weight (g)
H421-01206	1.8	28	0.6	8	10	12	1.6	4	150
H421-02813	1.8	34	1.3	2.4	2.8	28	1.6	4	220
H421-02817	1.8	34	1.7	1.2	1.8	28	1.6	4	220
H421-02804	1.8	34	0.4	30	35	28	1.6	4	220
H421-02104	1.8	34	0.4	30	18	21	1.6	6	220
H421-01402	1.8	34	0.16	75	40	14	1.6	6	220
H421-04017	1.8	40	1.7	1.5	2.8	40	2.2	4	280
H421-04013	1.8	40	1.3	2.5	5.0	40	2.2	4	280
H421-02812	1.8	40	1.2	3.2	2.8	28	2.2	6	280
H421-02804	1.8	40	0.4	30	28	28	2.2	6	280
H421-05217	1.8	48	1.7	1.8	3.2	52	2.6	4	350
H421-05213	1.8	48	1.3	3.2	5.5	52	2.6	4	350
H421-05223	1.8	48	2.3	1.2	1.6	52	2.6	4	350
H421-03404	1.8	48	0.4	30	38	34	2.6	6	350
H421-05412	1.8	58	1.2	4.5	5.5	54	3.2	6	450

Mechanical Dimensions

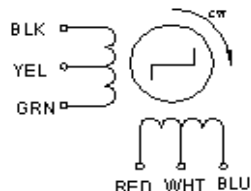


Standard Leadwire Configuration

BI-POLAR(4 LEADS)



UNI-POLAR(6 LEADS)



Complementary Products:

- Special shaft
- Encoders
- Connector
- Long leadwires