

SERIES OF HYBRID STEPPING MOTOR

混合式步进电机 五相高转矩低振动方形 86BYGH550 系列

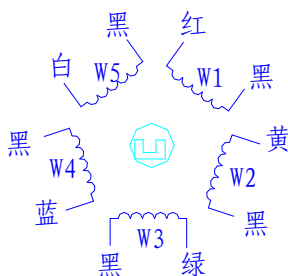


基本参数 (General Specifications):

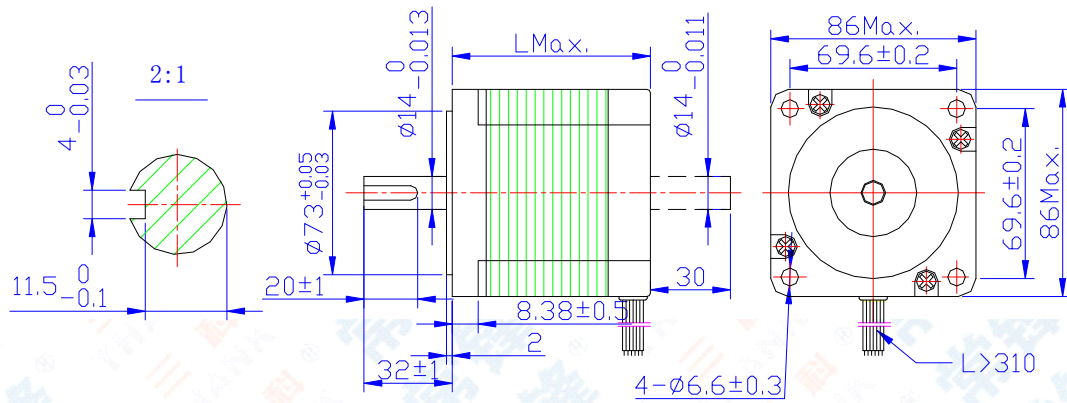
步距角 (Step Angle)	-----	0.72° / 0.36° (full step/half step)
步距角精度 (Step Angle Accuracy)	-----	±3.5' (full step, no load)
电阻精度 (Resistance Accuracy)	-----	±10%
电感精度 (Inductance Accuracy)	-----	±20%
温升 (Temperature Rise)	-----	85°C Max (rated current, 4 phases on)
环境温度 (Ambient Temperature Range)	-----	-25°C ~ +40°C
绝缘电阻 (Insulation Resistance)	-----	100MΩ Min. 500VDC
绝缘介电强度 (Dielectric Strength)	-----	750VAC 50Hz 1mA 1 Minute
绝缘等级 (Insulation Class)	-----	B 级 (130°C级)
轴向变形 (Shaft Axial Play)	-----	0.08mm Max (450g Load)
径向跳动 (Shaft Radial Play)	-----	0.02mm Max (450g Load)
最大径向力 (Max. radial force)	-----	220N (20mm from the flange)
最大轴向力 (Max. axial force)	-----	60N
旋转方向 (Rotation)	-----	CW (See From Front Flange)

主要参数 (Electrical Specifications):

型 号 Model		机身長L Motor Length	电压 Rated Voltage	电流 Rated Current	电阻 Phase Resistance	电感 Phase Inductance	保持 转矩 Holding Torque	定位 力矩 Detent Torque	转动 惯量 Rotor Inertia	重量 Motor Weight
单轴伸	双轴伸	mm	VDC	A	Ω	mH	N. m	N. m	Kg. cm ²	Kg
86BYGH550A	86BYGH550AS	70	24-90	2.8	0.57	2	2.1	0.07	0.9	1.8
86BYGH550A-01	86BYGH550AS-01	70	24-110	1.4	1.76	8	2.1	0.07	0.9	1.8
86BYGH550B	86BYGH550BS	101	24-90	2.8	0.75	4	4.1	0.08	2.9	3.2
86BYGH550B-01	86BYGH550BS-01	101	24-110	1.4	2.73	16	4.1	0.08	2.9	3.2
86BYGH550C	86BYGH550CS	130	24-90	2.8	0.85	6	6.3	0.1	4.3	4.6
ε										4.6



外形图 (Dimensions):



86BYGH550A/B/C, 86BYGH550AS/BS/CS

运行矩频特性 (Pull-out Torque-pulse curve):

型	号	驱动器	步距角	运行矩频特性 (N.m/kHz)
86BYGH550A 86BYGH550A-01	86BYGH550AS 86BYGH550AS-01	BQH503	0.36°	2/1 2/2 1.6/4 1.4/6 1.2/8 1.0/10 0.8/12 0.6/15 0.3/20
86BYGH550B 86BYGH550B-01	86BYGH550BS86BY GH550BS-01	BQH503	0.36°	4/1 4/2 3.1/4 2.8/6 2.5/8 2/10 1.6/12 1.1/15 0.4/20
86BYGH550C 86BYGH550C-01	86BYGH550CS86BY GH550CS-01	BQH503	0.36°	6/1 6/2 4.5/4 4/6 3.2/8 2.5/10 1.6/12 1.2/15 0.8/20