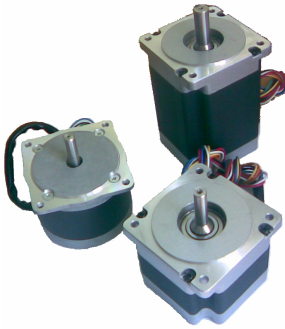


86HS S eries Hybrid Stepping Motor s



General Specifications

Step Angle Degree	1.8°
Step Angle Accuracy	±5% (full step" no load)
Temperature Rise	80°C Max
Ambient Temperature	-10°C ## +50°C
Insulation Resistance	100MΩ min. 500VDC
Dielectric Strength	500VAC for one minute
Shaft Radial Play	0.06 Max. (450g-load)
Shaft Axial Play	0.08 max. (450g-load)

Electrical Specifications

Model Number	Connection	Motor Length L inch (mm)	Holding Torque Oz-in (Nm)	Number of Leads	Phase Current (Amps)	Phase Resistance (Ohm)	Phase Inductance (mH)	Rotor Inertia Oz-in-sec ² (g.cm ²)	Detent Torque Oz-in (g.cm)	Weight Oz (kg)
86HS45	Bipolar (Parallel)	3.13 80!	637.2 4.5!	8	6.0	0.375±10%	3.4±20%	0.01988 1400!	18.2 1300!	81.1 2.3!
	Bipolar (Series)		637.2 4.5!		3.0	1.5±10%	14±20%			
	Unipolar		453.12 3.2!		4.2	0.75±10%	3.4±20%			

* Above motors are our typical models, and if you need a customization motor, please contact us.

Mechanical Specifications (Unit=mm, 1 inch=25.4mm)

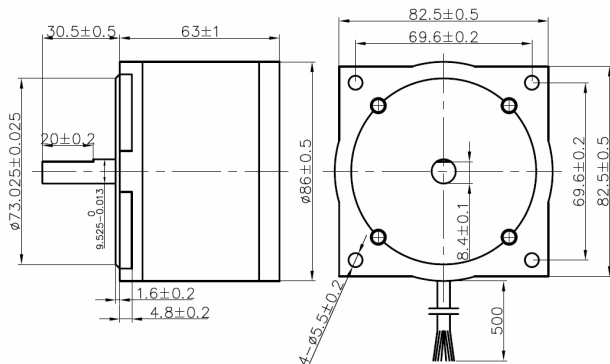


Figure 1: Mechanical specification of the 86HS24

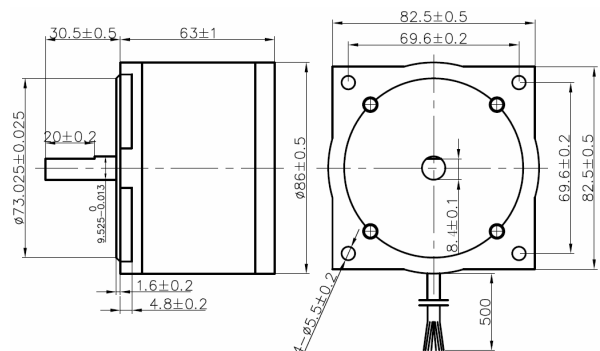


Figure 2: Mechanical specification of the 86HS26