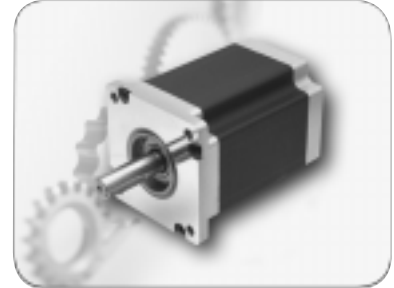




1.8° Size 110mm High Torque Hybrid Stepping Motor

● General Specification for High Torque Hybrid Stepping Motor

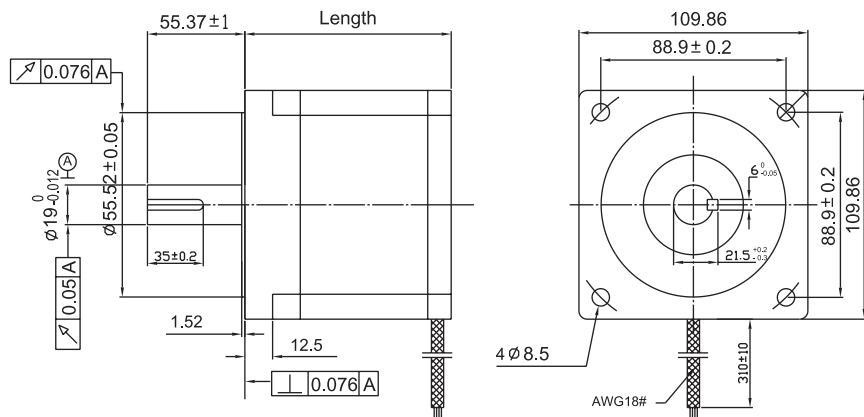
Item	Specifications
Step Angle	1.8°
Step Angle Accuracy	± 5% (full step, no load)
Resistance Accuracy	± 10%(20°C)
Inductance Accuracy	± 20%(1kHz)
Temperature Rise	80°C Max.(rated current,2 phase on)
Ambient Temperature	-20°C~+50°C
Insulation Resistance	100MΩ Min. ,500VDC
Dielectric Strength	1800VAC , 1s , 5mA
Shaft Radial Play	0.02Max. (450 g-load)
Shaft Axial Play	0.08Max. (450 g-load)
Max. radial force	220N (20mm from the flange)
Max. axial force	60N



● Size 110mm High Torque Hybrid Stepping Motor Specifications

Model No.	Current /Phase	Resistance /Phase	Inductance /Phase	Holding Torque	# of Leads	Rotor Inertia	Weight	Detent Torque	Length
Single shaft	A	Ω	mH	N.m		g-cm ²	kg	kg-cm	mm
FL110STH99-5504A	5.5	0.7	9.8	11.7	4	5500	5	3	99
FL110STH150-6504A	6.5	0.72	12.8	21	4	10900	8.4	5.9	150
FL110STH201-8004A	8	0.67	11	30	4	16200	11.7	7.5	201

● Dimension



● Wiring Diagram

4 LEADS

