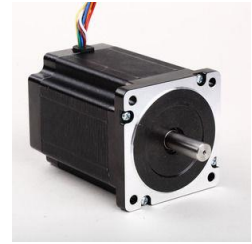




## 86mm Hybrid Stepper Series

### SPECIFICATIONS:



Step Angle	1.8° (±5% @ full step, no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	≤80K
Ambient Temperature	-20°C to 50°C
Shaft Radial Play	≤0.02mm @ 450g-load
Shaft Axial Play	≤0.02mm @ 450g-load
Max Radial Force	220N @ 20mm from flange
Max Axial Force	60N
Dielectric Strength	500V for one minute
Insulation Resistance	≥100MΩ, 500VDC
Holding Torque	34 to 122 kg-cm

### SUBMODELS:

*The following are common submodels for the LDO-86STH series.*

	Rated Voltage	Current /Phase	Resistance /Phase	Inductance /Phase	Holding Torque	Num. Leads	Rotor Inertia	Approx. Weight	Stall Torque	Body Length
Part No.	(V)	(A)	(ohm)	(mH)	(kg-cm)	(I)	(g-cm <sup>2</sup> )	(kg)	(kg-cm)	(mm)
LDO-86STH65-5904	1.65	5.9	0.28	1.7	34	4	1000	1.7	0.8	65
LDO-86STH65-2808	4.2	2.8	1.4	3.9	34	8	1000	1.7	0.8	65
LDO-86STH80-5504	2.3	5.5	0.46	4	46	4	1400	2.3	1.2	80
LDO-86STH80-4208	2.4	4.24	0.75	3.4	46	8	1400	2.3	1.2	80
LDO-86STH118-6004	2.7	6	0.6	6.5	87	4	2700	3.8	2.4	118
LDO-86STH118-4208	2.4	4.2	0.9	6	87	8	2700	3.8	2.4	118
LDO-86STH156-6204	3.5	6.2	0.75	9	122	4	4000	5.4	3.6	156
LDO-86STH156-4208	2.8	4.2	1.25	8	122	8	4000	5.4	3.6	156