

## 57mm 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	75N @ 20mm from flange
Max Axial Force	15N
Dielectric Strength	500VAC for one minute
Insulation Resistance	≥100MΩ, 500VDC

## **SUBMODELS:**

The following are common submodels for the LDO-57STH 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)	0	(g-cm^2)	(kg)	(kg-cm)	(mm)
LDO-57STH41-1006	5.7	1	5.7	5.4	3.9	6	120	0.45	0.21	41
LDO-57STH41-2006	2.8	2	1.4	1.4	3.9	6	120	0.45	0.21	41
LDO-57STH41-3006	1.9	3	0.63	0.6	3.9	6	120	0.45	0.21	41
LDO-57STH41-2804	2.0	2.8	0.7	1.4	5.5	4	120	0.45	0.21	41
LDO-57STH51-1006	6.6	1	6.6	8.2	7.2	6	275	0.65	0.36	51
LDO-57 STH51-2006	3.3	2	1.65	2.2	7.2	6	275	0.65	0.36	51
LDO-57STH51-3006	2.2	3	0.74	0.9	7.2	6	275	0.65	0.36	51
LDO-57 STH51-2804	2.3	2.8	0.83	2.2	10.1	4	275	0.65	0.36	51
LDO-57STH56-1006	7.4	1	7.4	10	9	6	300	0.70	0.4	56
LDO-57 STH56-2006	3.6	2	1.8	2.5	9	6	300	0.70	0.4	56
LDO-57STH56-3006	2.3	3	0.75	1.1	9	6	300	0.70	0.4	56
LDO-57 STH56-2804	2.5	2.8	0.9	2.5	12.6	4	300	0.70	0.4	56
LDO-57STH76-1006	8.6	1	8.6	14	13.5	6	480	1.00	0.68	76
LDO-57STH76-2006	4.5	2	2.25	3.6	13.5	6	480	1.00	0.68	76
LDO-57STH76-3006	3.0	3	1.0	1.6	13.5	6	480	1.00	0.68	76
LDO-57STH76-2804	3.2	2.8	1.13	3.6	18.9	4	480	1.00	0.68	76