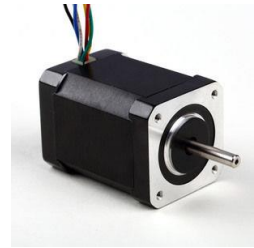




42mm Hybrid Stepper Series

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	28N @ 20mm from flange
Max Axial Force	10N
Dielectric Strength	500V for one minute
Insulation Resistance	≥100MΩ, 500VDC

SUBMODELS:

The following are common submodels for the LDO-42STH 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)	(l)	(g-cm ²)	(kg)	(kg-cm)	(mm)
LDO-42STH25-0404	9.6	0.4	24	36	1.7	4	20	0.15	0.075	25
LDO-42STH33-0956	4	0.95	4.2	2.5	1.6	6	35	0.22	0.12	34
LDO-42STH33-0406	9.6	0.4	24	15	1.6	6	35	0.22	0.12	34
LDO-42STH33-0316	12	0.31	38.5	21	1.6	6	35	0.22	0.12	34
LDO-42STH33-1334	2.8	1.33	2.1	2.5	2.2	4	35	0.22	0.12	34
LDO-42STH38-1206	4	1.2	3.3	3.2	2.6	6	54	0.28	0.15	40
LDO-42STH38-0806	6	0.8	7.5	6.7	2.6	6	54	0.28	0.15	40
LDO-42STH38-0406	12	0.4	30	30	2.6	6	54	0.28	0.15	40
LDO-42STH38-1684	2.8	1.68	1.65	3.2	3.6	4	54	0.28	0.15	40
LDO-42STH47-1206	4	1.2	3.3	2.8	3.17	6	68	0.35	0.20	48
LDO-42STH47-0806	6	0.8	7.5	6.3	3.17	6	68	0.35	0.20	48
LDO-42STH47-0406	12	0.4	30	25	3.17	6	68	0.35	0.20	48
LDO-42STH47-1684	2.8	1.68	1.65	2.8	4.4	4	68	0.35	0.20	48
LDO-42STH60-1206	7.2	1.2	6	7	6.5	6	102	0.5	0.28	60