



## 28mm 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
Holding Torque	0.43 to 1.2 g·cm

### SUBMODELS:

*The following are common sub models for the LDO-28STH series.*

	Rated Voltage	Current /Phase	Resistance /Phase	Inductance /Phase	Holding Torque	Num. Leads	Rotor Inertia	Approx. Weight	Body Length
Part No.	(V)	(A)	(ohm)	(mH)	(kg·cm)	()	(g·cm <sup>2</sup> )	(kg)	(mm)
LDO-28STH32-0956	2.66	0.95	2.8	0.8	0.43	6	9	0.11	31.5
LDO-28STH32-0674	3.8	0.67	5.6	3.4	0.6	4	9	0.11	31.5
LDO-28STH45-0956	3.4	0.95	3.4	1.2	0.75	6	12	0.14	44.5
LDO-28STH45-0674	4.56	0.67	6.8	4.9	0.95	4	12	0.14	44.5
LDO-28STH51-0956	4.4	0.95	4.6	1.8	0.90	6	18	0.2	50.5
LDO-28STH51-0674	6.2	0.67	9.2	7.2	1.2	4	18	0.2	50.5