



20mm 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	20N @ 20mm from flange
Max Axial Force	2N
Dielectric Strength	500VAC for one minute
Insulation Resistance	≥100MΩ, 500VDC

SUBMODELS:

The following are common sub models for the LDO-20STH 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 ²)	(kg)	(mm)
LDO-20STH30-0604	3.9	0.6	6.5	1.7	0.18	4	2	0.06	30
LDO-20STH33-0604	3.9	0.6	6.5	1.7	0.18	4	2	0.06	33
LDO-20STH42-0804	4.32	0.8	5.4	1.5	0.30	4	3.6	0.08	42