


1.8Degree Size 20mm High Torque Hybrid Stepping Motor

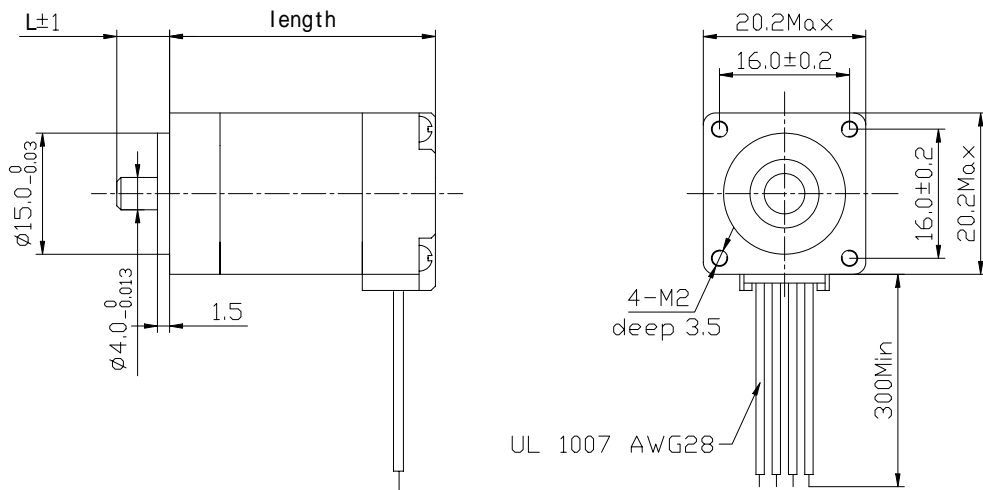
● General Specification for High Torque Hybrid Stepping Motor

Item	Specifications	Picture
Step Angle	1.8 Degree	
Step Angle Accuracy	±5% (full step, no load)	
Resistance Accuracy	±10%	
Inductance Accuracy	±20%	
Temperature Rise	80Degree C Max.(rated current,2 phase on)	
Ambient Temperature	-20 ~+50 Degree C	
Insulation Resistance	100MΩMin. ,500VDC	
Dielectric Strength	500VAC for one minute	
Shaft Radial Play	0.02Max. (450 g-load)	
Shaft Axial Play	0.08Max. (450 g-load)	
Max. Radial Force	20N	
Max. Axial Force	2N	

● Size 20mm High Torque Hybrid Stepping Motor Specifications

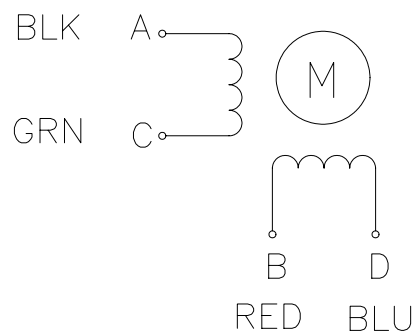
Model No.	Rated Voltage	Current /Phase	Resistance /Phase	Inductance /Phase	Holding Torque	# of Leads	Rotor Inertia	Weight	Length
Single Shaft	V	A	Ω	mH	g.cm		kg-m ²	kg	mm
LDO-20STH30-0604A	3.9	0.6	6.5	1.7	180	4	2.0x10 ⁻⁷	0.06	30
LDO-20STH33-0604A	3.9	0.6	6.5	1.7	180	4	2.0x10 ⁻⁷	0.06	33
LDO-20STH42-0804A	4.32	0.8	5.4	1.5	300	4	3.6x10 ⁻⁷	0.08	42

● Dimension:



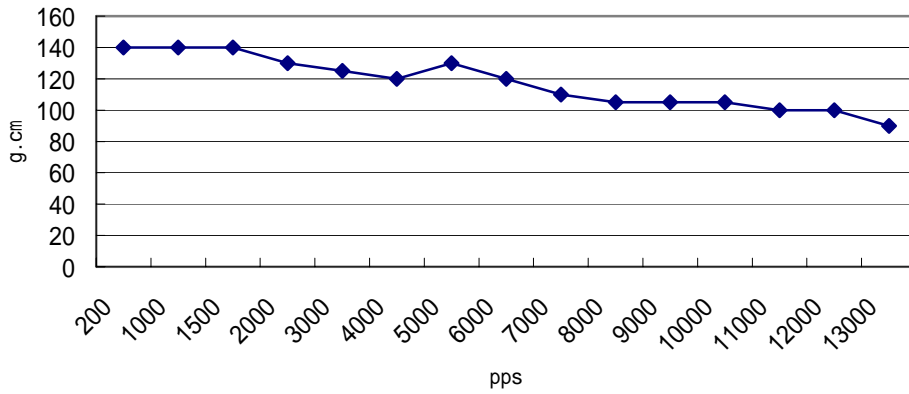
Shaft Length: L= 6.5, 6.5, 15 or customize.

● Wiring Diagram:

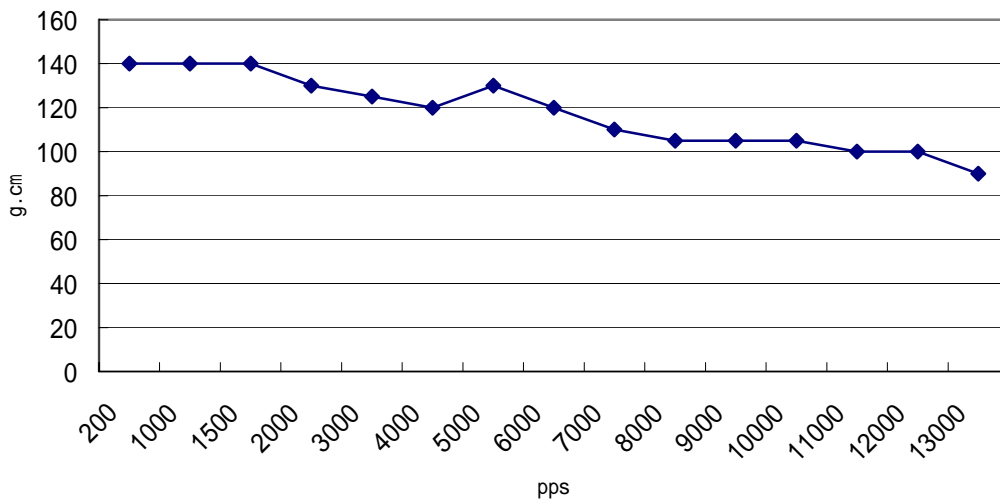


● Pull out torque curve:

LDO-20STH30-0604A PULL OUT TORQUE CURVE
 VOLTAGE:24VDC,CONSTANT CURRENT:0.6A,HALF STEP



LDO-20STH33-0604A PULL OUT TORQUE CURVE
 VOLTAGE:24VDC,CONSTANT CURRENT:0.6A,HALF STEP



LDO-20STH42-0804A PULL OUT TORQUE CURVE
 VOLTAGE:24VDC,CONSTANT CURRENT:0.8A,HALF STEP

