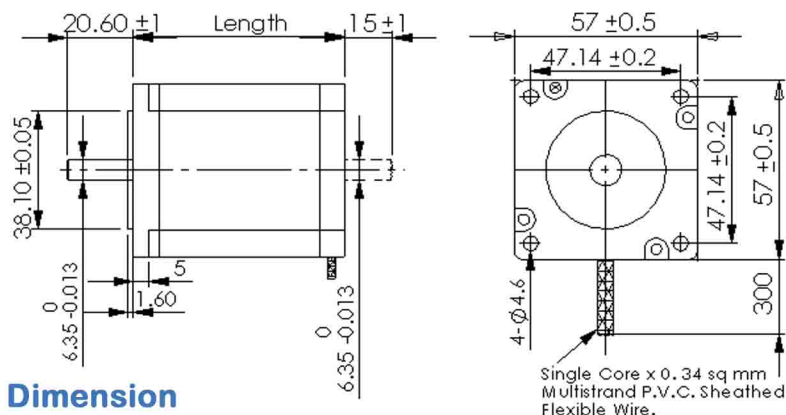




TM

1.8° HIGH TORQUE HYBRID STEPPER MOTOR

■ SIZE NEMA 23 (57MM)



Dimension

All Dimensions are in mm.



Motor Specifications

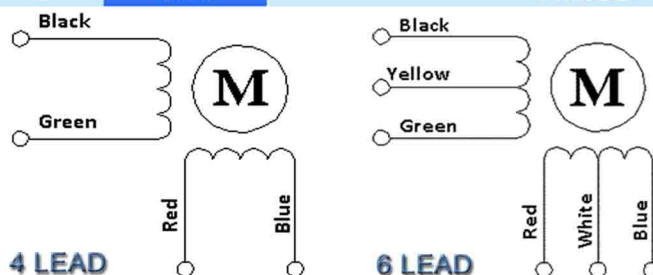
Model No.		Rated Voltage	Current /Phase	Resistance /Phase	Inductance /Phase	Holding Torque	Holding Torque	No of Leads	Rotor Inertia	Weight	Detent Torque	Length
Single Shaft	Double Shaft	V	A	Ω	mH	Nm	Kg-cm		g-cm ²	Kg	Kg-cm	mm
57SH41 - 1006A	57SH41 - 1006B	5.7	1	5.7	3.9	0.39	3.9	6	120	0.45	0.21	41
57SH41 - 2006A	57SH41 - 2006B	2.8	2	1.4	1.4	0.39	3.9	6				
57SH41 - 3006A	57SH41 - 3006B	1.9	3	0.63	0.6	0.39	3.9	6				
57SH41 - 2804A	57SH41 - 2804B	2	2.8	0.7	1.4	0.55	5.5	4				
57SH51 - 1006A	57SH51 - 1006B	6.6	1	6.6	7.7	0.72	7.2	6	275	0.65	0.36	51
57SH51 - 2006A	57SH51 - 2006B	3.3	2	1.65	2.2	0.72	7.2	6				
57SH51 - 3006A	57SH51 - 3006B	2.2	3	0.74	0.9	0.72	7.2	6				
57SH51 - 2804A	57SH51 - 2804B	2.3	2.8	0.83	1.8	1.01	10.1	4				
57SH56 - 1006A	57SH56 - 1006B	7.4	1	7.4	10	0.9	9	6	300	0.7	0.4	56
57SH56 - 2006A	57SH56 - 2006B	3.6	2	1.8	2.5	0.9	9	6				
57SH56 - 3006A	57SH56 - 3006B	2.3	3	0.75	1.1	0.9	9	6				
57SH56 - 2804A	57SH56 - 2804B	2.5	2.8	0.9	2.5	1.26	12.6	4				
57SH76 - 1006A	57SH76 - 1006B	8.6	1	8.6	14	1.35	13.5	6	480	1	0.68	76
57SH76 - 2006A	57SH76 - 2006B	4.5	2	2.25	3.6	1.35	13.5	6				
57SH76 - 3006A	57SH76 - 3006B	3	3	1	1.6	1.35	13.5	6				
57SH76 - 2804A	57SH76 - 2804B	2.5	2.8	1.13	3.6	1.89	18.9	4				
57SH81 - 2804A	57SH81 - 2804B	3.6	2.8	1.2	4.9	2.2	22	4	500	1.2	0.72	81
57SH100 - 3004A	57SH100 - 3004B	3.9	3	1.3	4.5	2.5	25	4	600	1.5	0.8	100

General Specifications

Item	Specifications
Step Angle	1.8°
Step Angle Accuracy	±5% (full Step, no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80°Max.(rated current, 2 phase on)
Ambient Temperature	-20°C~+50°C
Insulation Resistance	100M Ω Min., 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	75 N (20mm from the flange)
Max.axial force	15N

Connection

Lead No.	Color	Gauge	Function
1	Black	Single Core X 0.34 Sq.mm Multistrand PVC Sheathed flexible wire.	Phase A +
2	Yellow		Common
3	Green		Phase A -
4	Red		Phase B +
5	White		Common
6	Blue		Phase B -



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