

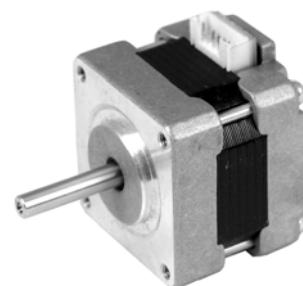
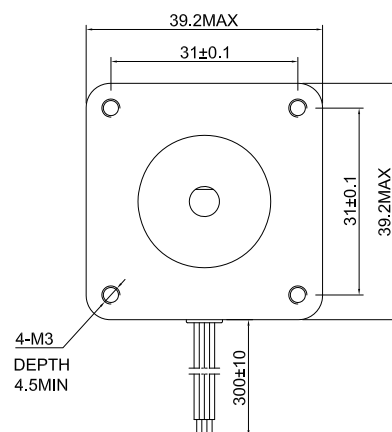
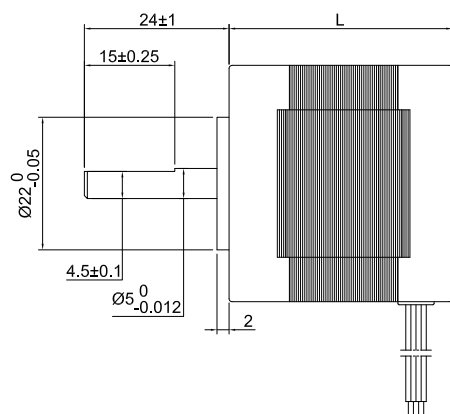
□39.2mm(□1.54in.)

Step Angle 1.8° 16HS High-Torque Type

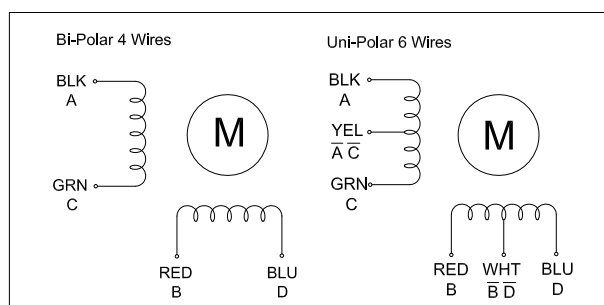
Common Rating

Item	Specification
Step Angle Accuracy	±5% (full step, no load)
Temperature Rise	80°C Max. (rated current, 2 phase on)
Ambient Temperature	-10°C~+50°C
Insulation Resistance	100MΩ Min. 500VDC
Dielectric Strength	500VAC for one minute

Dimension Unit = mm(in.)



Wiring Diagram



Excitation Sequence

Excitation: 2-2						Excitation: 2-1-2					
STEP	A	B	C	D		STEP	A	B	C	D	
1	+	+			CCW	1	+				CCW
2		+	+			2	+	+			
3			+	+		3		+			
4	+			+		4		+	+		
					CW	5			+		CW
						6			+	+	
						7				+	
						8	+			+	

Specifications

Model	Torque		Voltage	Current	Resistance	Inductance	Inertia	Bi/Unipolar	Weight	Length "L "	
	Ncm	oz.in	V/Phase	A/Phase	Ohm/Phase	mH/Phase	g.cm2	# of Leads	Kg	mm	in
16HS08-0404S	6.5	9.2	2.64	0.4	6.6	7.5	11	Bi (4)	0.12	20	0.79
16HS08-0506S	8	11.3	6.5	0.5	13	7.5	11	Uni (6)	0.12	20	0.79
16HS13-0166S	11	15.6	12	0.16	75	50	20	Uni (6)	0.18	34	1.34
16HS13-0306S	13	18.4	12	0.3	40	21	20	Uni (6)	0.18	34	1.34
16HS13-0654S	18	25.5	4.55	0.65	7	9.3	20	Bi (4)	0.18	34	1.34
16HS13-0404S	21	29.7	12	0.4	30	32	20	Bi (4)	0.18	34	1.34
16HS13-0604S	22	31.2	9	0.6	15	16	20	Bi (4)	0.18	34	1.34
16HS14-1004S	30	42.5	5.2	1	5.2	13	23	Bi (4)	0.2	36	1.42
16HS15-0806S	20	28.3	6	0.8	7.5	6	28	Uni (6)	0.2	38	1.50
16HS15-0504S	29	41.1	12	0.5	21	45	28	Bi (4)	0.2	38	1.50
16HS17-0304S	28	39.7	12	0.3	40	100	36	Bi (4)	0.25	44	1.73
16HS18-1004S	29	41.1	5.8	1	5.8	5	38	Bi (4)	0.28	46	1.81

* Specify -S for Single Shaft; -D for Double Shaft * All motor's specifications are based on full-step constant current operation