

# □ 20mm(□ 0.79in.)

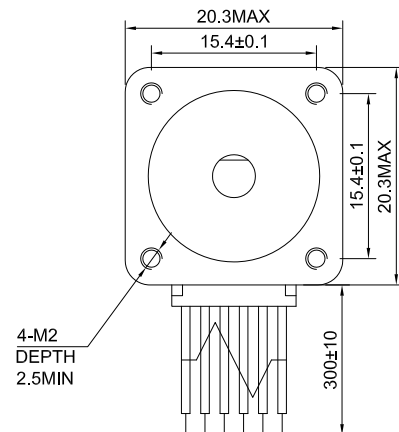
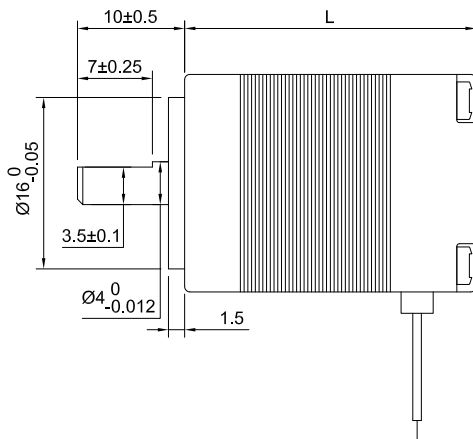
Step Angle 1.8° 8HS High-Torque Type

## Common Rating

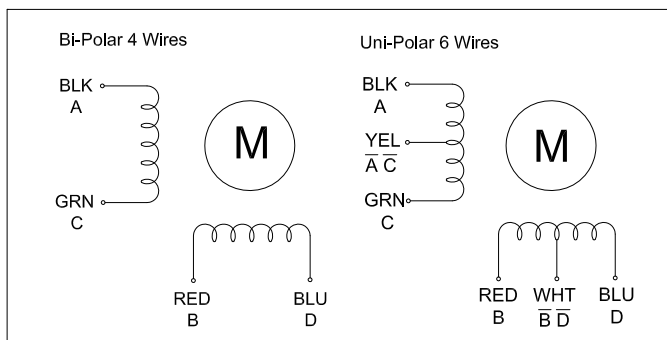
Item	Specification
Step Angle Accuracy	±5% (full step, no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80°C Max. (rated current, 2 phase on)
Ambient Temperature	-10°C~+50°C
Insulation Resistance	100MΩ Min. 500VDC
Dielectric Strength	500VAC for one minute
Shaft Radial Play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



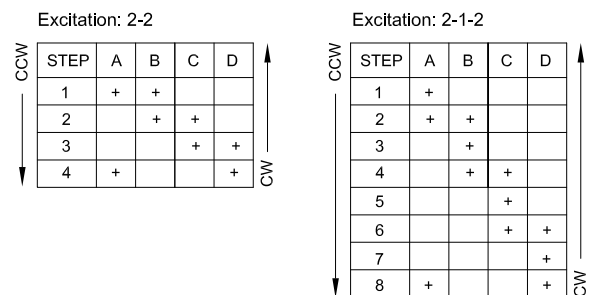
## Dimension Unit = mm(in.)



## Wiring Diagram



## Excitation Sequence



## Specifications

Model	Torque		Voltage	Current	Resistance	Inductance	Bi/Unipolar	Weight	Length "L"	
	Ncm	oz.in	V/Phase	A/Phase	Ohm/Phase	mH/Phase	# of Leads	Kg	mm	in
8HS11-0204S	1.6	2.3	4.8	0.2	24	8	Bi (4)	0.05	28	1.1
8HS12-0506S	1.8	2.5	5.75	0.5	11.5	1.7	Uni (6)	0.06	30	1.2
8HS13-0604S	2	2.8	3.9	0.6	6.5	2.2	Bi (4)	0.07	33	1.3
8HS15-0304S	3	4.2	12	0.3	40	18	Bi (4)	0.08	38	1.5
8HS15-0604S	4	5.7	6	0.6	10	5.5	Bi (4)	0.08	38	1.5

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