

□35.2mm(□1.38in.)

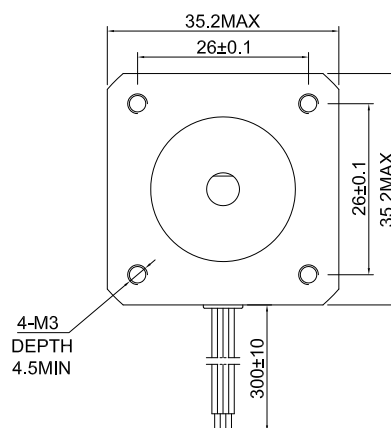
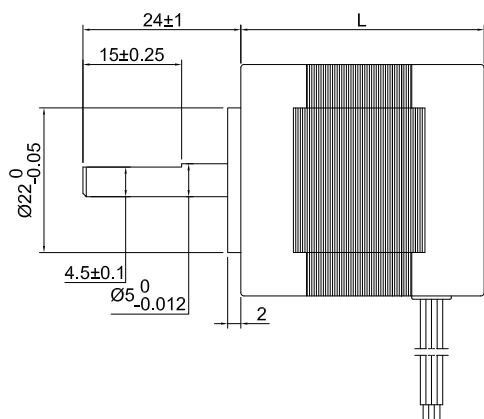
Step Angle 0.9° 14HM High-Resolution Type

Common Rating

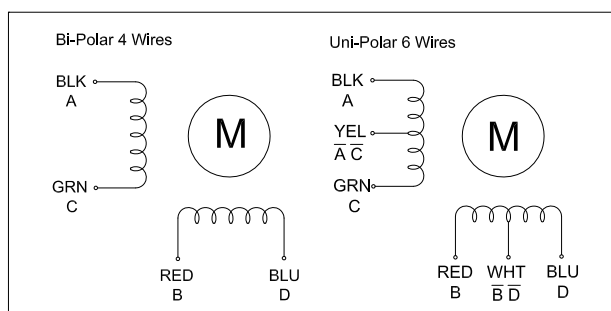
Item	Specification
Step Angle Accuracy	±5% (full step, no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80°C Max. (rated current, 2 phase on)
Ambient Temperature	-10°C~+50°C
Insulation Resistance	100MΩ Min. 500VDC
Dielectric Strength	500VAC for one minute
Shaft Radial Play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



Dimension Unit = mm(in.)



Wiring Diagram



Excitation Sequence

Excitation: 2-2					Excitation: 2-1-2				
STEP	A	B	C	D	STEP	A	B	C	D
1	+	+			1	+			
2		+	+		2	+	+		
3			+	+	3		+		
4	+			+	4		+	+	
					5			+	
					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.cm ²	# of Leads	Kg	mm	in
14HM08-0404S	4	5.7	4	0.4	10	8.2	8	Bi (4)	0.09	20	0.79
14HM08-0504S	5	7.1	5	0.5	10	8.2	8	Bi (4)	0.09	20	0.79
14HM11-0504S	9	12.7	5	0.5	10	12	10	Bi (4)	0.12	28	1.10
14HM11-1004S	10	14.2	2.5	1	2.5	2.8	10	Bi (4)	0.12	28	1.10
14HM11-0404S	11	15.6	10	1.4	2.5	24	10	Bi (4)	0.12	28	1.10
14HM13-0604S	13	18.4	7.2	0.6	12	16	14	Bi (4)	0.16	34	1.34

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