

○36.5mm(○14.4in.)

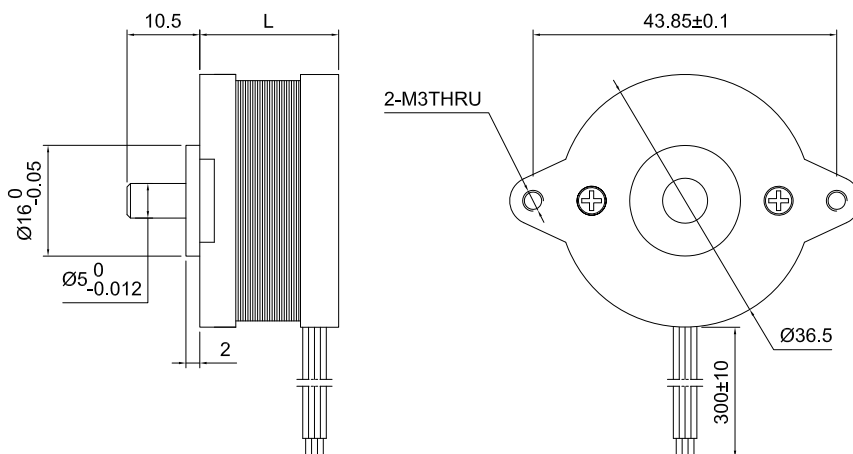
Step Angle 0.9° 14HR High-Resolution Type

Common Rating

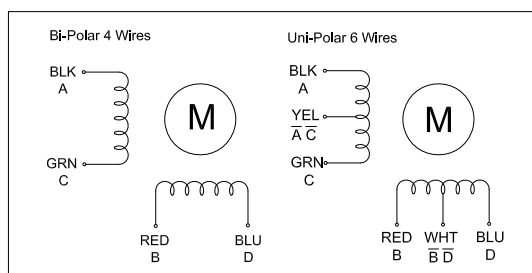
Item	Specification
Step Angle Accuracy	±5% (full step, no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80°C Max. (rated current, 2 phase on)
Ambient Temperature	-10°C~+50°C
Insulation Resistance	100MΩMin. 500VDC
Dielectric Strength	500VAC for one minute
Shaft Radial Play	0.02Max.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



Dimension Unit = mm(in.)



Wiring Diagram



Excitation Sequence

Excitation: 2-2

STEP	A	B	C	D
1	+	+		
2		+	+	
3			+	+
4	+			+

Excitation: 2-1-2

STEP	A	B	C	D
1	+			
2	+	+		
3		+		
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
14HR05-0304S	4	5.7	6.2	0.3	16.8	8.5	8	Bi (4)	0.06	12.5	0.49
14HR05-0404S	4	5.7	2.8	0.4	7	4	8	Bi (4)	0.06	12.5	0.49
14HR05-0504S	7	9.9	8.5	0.5	17	7.5	11	Bi (4)	0.08	12.5	0.49
14HR08-0404S	8	11.3	4.64	0.4	11.6	7.7	13	Bi (4)	0.09	19.5	0.77
14HR08-0504S	11	15.6	6	0.5	12	9	13	Bi (4)	0.09	19.5	0.77
14HR08-0654S	12	17.0	4.55	0.65	7	5	13	Bi (4)	0.09	19.5	0.77

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