

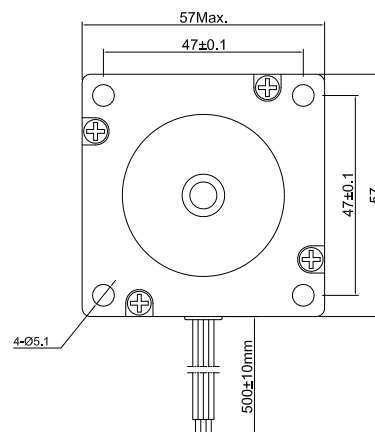
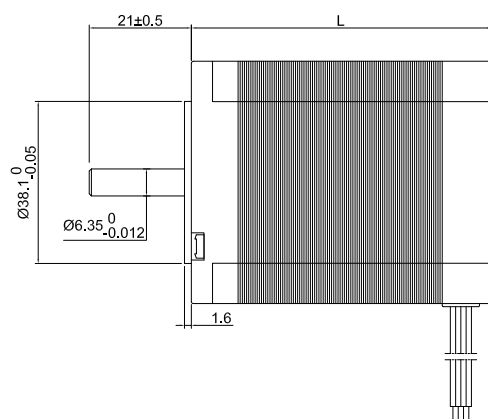
□56.4mm(□2.22in.)

Step Angle 0.9° 23HM High-Resolution Type

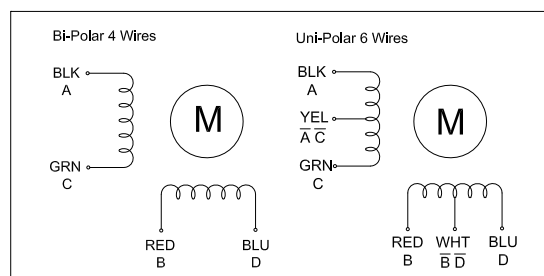
Common Rating

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

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.cm2	# of Leads	Kg	mm	in
23HM16-1006S	39	55.2	5.7	1	5.7	8	120	Uni (6)	0.45	41	1.61
23HM16-2006S	39	55.2	2.8	2	1.4	2.2	120	Uni (6)	0.45	41	1.61
23HM16-3006S	39	55.2	1.9	3	0.63	1	120	Uni (6)	0.45	41	1.61
23HM16-2804S	55	77.9	2	2.8	0.7	2.2	120	Bi (4)	0.45	41	1.61
23HM20-0384S	90	127.5	12.1	0.38	32	40	240	Bi (4)	0.6	51	2.01
23HM22-1006S	90	127.5	7.4	1	7.4	17.5	300	Uni (6)	0.7	56	2.20
23HM22-2006S	90	127.5	3.6	2	1.8	4.5	300	Uni (6)	0.7	56	2.20
23HM22-3006S	90	127.5	2.3	3	0.75	1.9	300	Uni (6)	0.7	56	2.20
23HM22-2804S	126	178.4	2.5	2.8	0.9	4.5	300	Bi (4)	0.7	56	2.20
23HM30-1006S	135	191.2	8.6	1	8.6	2	480	Uni (6)	1	76	2.99
23HM30-2006S	135	191.2	4.5	2	2.25	5.6	480	Uni (6)	1	76	2.99
23HM30-3006S	135	191.2	3	3	1	2.6	480	Uni (6)	1	76	2.99
23HM30-2804S	189	267.6	3.2	2.8	1.13	5.6	480	Bi (4)	1	76	2.99

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