



## hybrid stepping motor **MOONS'**



# 23HS Series

### Key Features

- High Torque
- High Accuracy
- Smooth Movement

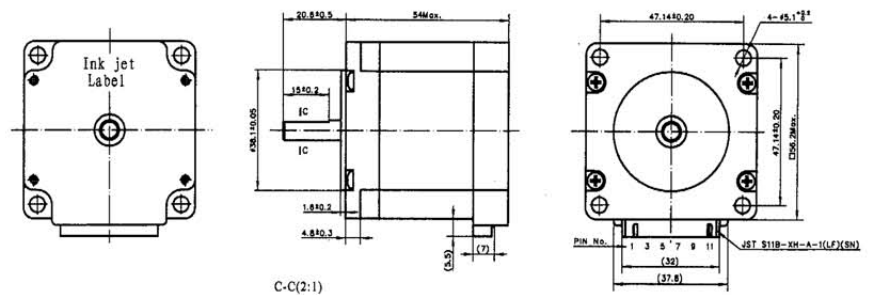
Uni-polar

Model Number	Resistance per Phase	Inductance per Phase	Rated Current	Holding Torque		Detent Torque		Rotor Inertia	
	ohm	mH		Nm	oz-in	mNm	oz-in	g.cm <sup>2</sup>	oz-in <sup>2</sup>
23HS3605-06	2.25	4.6	2	1.3	169.97	70	9.91	460	2.53

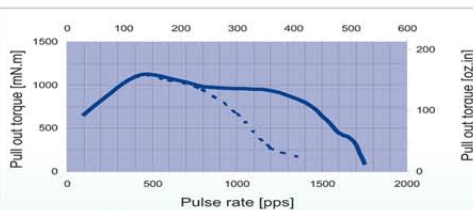
## DIMENSION

DIMENSION (UNIT : mm)

Model Number	L	Mass
	mm (in.)	kg (lb.)
23HS0**	41 (1.61)	0.42 (0.93)
23HS1**	50 (1.97)	0.55 (1.21)
23HS2**	54 (2.13)	0.60 (1.32)
23HS3**	76 (2.99)	1.00 (2.20)
23HS4**	45 (1.77)	0.48 (1.06)
23HS5**	111 (4.37)	1.50 (3.30)



## WIRING DIAGRAM AND DRIVING



### 23HS3605-06

Conditions: Uni-polar Constant Current Driver  
 IC: AMA MSU3040M  
 Mode: Full Step  
 Speed [r/min]    - - - 2.0A(Peak) 24V  
                           — 2.0A(Peak) 36V

### Exciting Sequence vs. Direction of Rotation

STEP	A	B	C	D	H	CCW
1	-	-	-	+	+	↑
2	-	-	+	+	+	
3	-	+	+	+	+	
4	-	+	+	+	+	

Clockwise view from mounting side

### Wiring Diagram

