PHB57S Series

Key Features

- High Torque
- Smooth Movement
- High Speed

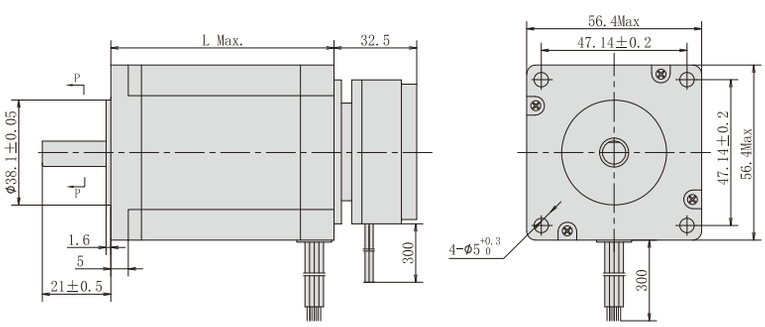
Step Angle	1.8°
Step Angle Accuracy	±5% (full step, no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80 °C Max.(rated current, 2 phase on)
Ambient Temperature	-20 °C ~ +50 °C
Insulation Resistance	100 MΩ Min., 500VDC
Dielectric Strength	500 VAC for one minute
Shaft Radial Play	0.02 Max. (450 g-load)
Shaft Axial Play	0.08 Max. (450 g-load)

Specifications

- Bi-polar

Series & Length	Model Number	Holding Torque		Rated Current	Resistance per phase	Inductance per phase	Detent Torque		Rotor Inertia	
		N.cm	oz-in	A	ohm	mH	N.cm	oz-in	g.cm²	oz-in²
PHB57S41B 41mm	PHB57S41B-420	55	77	2.0	1.2	2.5	2.5	3.5	150	0.825
PHB57S56B 56mm	PHB57S56B-404	110	154	4.2	0.4	1.2	3.5	4.9	280	1.540
PHB57S64B 64mm	PHB57S64B-404	150	210	4.2	0.55	1.2	5.0	7	380	2.090
PHB57S76B 76mm	PHB57S76B-404	180	252	4.2	0.6	1.8	6.0	8.4	440	2.420

Mechanical Dimension



Series	L	Mass
	mm (in.)	g (lb.)
PHB57S41B	41 (1.61)	470 (1.04)
PHB57S51B	51 (1.29)	590 (1.30)
PHB57S56B	56 (2.01)	680 (1.50)
PHB57S76B	76 (2.95)	1050 (2.31)