

PHB42T Series

● **Key Features**

- Small Size
- Smooth Movement
- Low Inertia



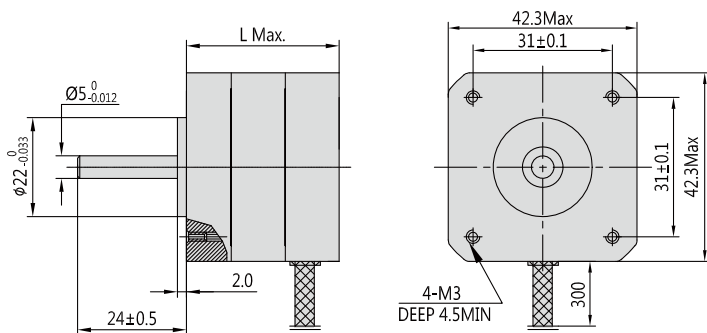
Step Angle	1.2°
Step Angle Accuracy	±5% (full step, no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80 °C Max. (rated current, 3 phase on)
Ambient Temperature	-20 °C ~ +50 °C
Insulation Resistance	100 MΩ Min., 500VDC
Dielectric Strength	500 VAC for one minute
Shaft Radial Play	0.02 Max. (450 g-load)
Shaft Axial Play	0.08 Max. (450 g-load)

● **Specifications**

- 3 Wires

Series & Length	Model Number	Holding Torque		Rated Current	Resistance per phase	Inductance per phase	Detent Torque		Rotor Inertia		# of Leads
		N.cm	oz-in				A	ohm	mH	N.cm	
PHB42T34 34mm	PHB42T34-330	10	14	3.0	0.65	0.2	1.6	2.24	34	0.187	3
PHB42T40 40mm	PHB42T40-330	20	28	3.0	0.79	0.35	2.2	3.08	54	0.297	3
PHB42T48 48mm	PHB42T48-330	27	37.8	3.0	0.98	0.43	2.6	3.64	68	0.374	3

● **Mechanical Dimension**



Series	L	Mass
	mm (in.)	g (lb.)
PHB42T34	34 (1.34)	220 (0.49)
PHB42T40	40 (1.57)	280 (0.62)
PHB42T48	48 (1.89)	350 (0.77)

2Phase Hybrid Stepper Motor

3Phase Hybrid Stepper Motor

5Phase Hybrid Stepper Motor

Hybrid Stepper Gear Motor

Lead Screw Linear Actuator

Ball Screw Linear Actuator

IP65 Stepper Motor

Hollow Shaft Stepper Motor

Stepper Motor With Brake

Pancake Stepper Motor

PM Stepper Motor

Can-Stack Stepper Linear Actuator

PM Stepper Gear Motor

Stepper Motor Drive