

PHB35S Series

● Key Features

- Small Size
- High Accuracy
- Low Inertia



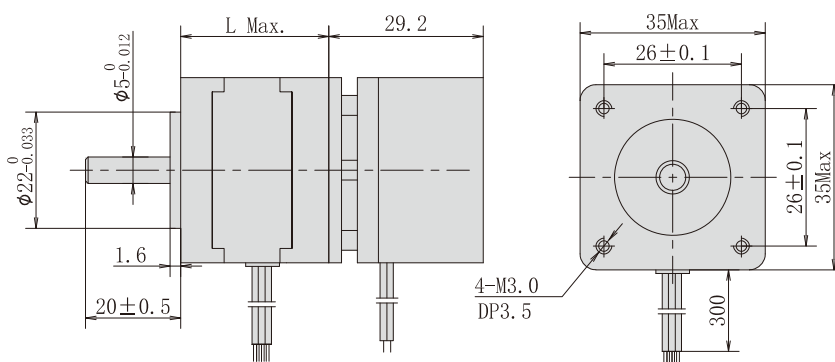
Step Angle	1.8°
Step Angle Accuracy	±5% (full step, no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80 °C Max.(rated current, 2 phase on)
Ambient Temperature	-20 °C ~ +50 °C
Insulation Resistance	100 MΩ Min., 500VDC
Dielectric Strength	500 VAC for one minute
Shaft Radial Play	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				N.cm	oz-in	g.cm ²	oz-in ²
PHB35S34B 34mm	PHB35S34B-402	18	25.2	0.8	6.5	9.8	1.0	1.4	13	0.072
PHB35S42B 42mm	PHB35S42B-402	22	30.8	0.8	10.5	13	1.5	2.1	22	0.121
PHB35S52B 52mm	PHB35S52B-418	30	42	1.8	2.5	5.0	2.0	2.8	26	0.143

● Mechanical Dimension



Series	L	Mass
	mm (in.)	kg (lb.)
PHB35S34B	34 (1.34)	160 (0.35)
PHB35S42B	42 (1.65)	200 (0.44)
PHB35S52B	52 (2.05)	230 (0.51)