

PHP35S Series

● **Key Features**

- Small Size
- Smooth Movement
- Low Inertia

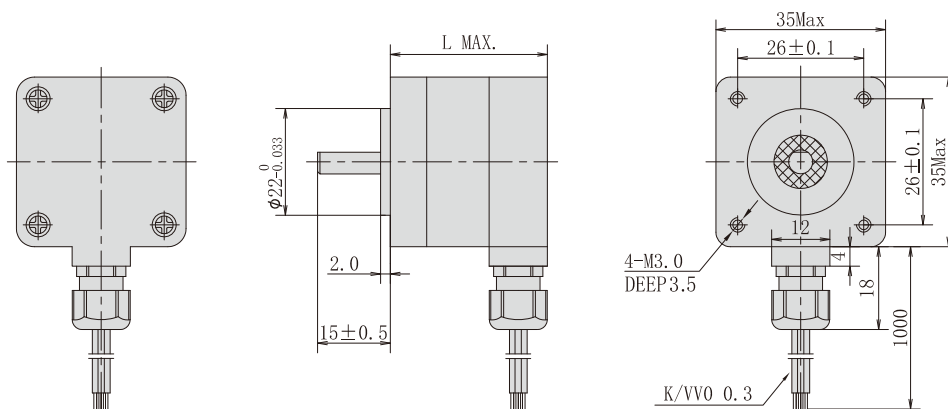


Step Angle	1.8°
Step Angle Accuracy	±5% (full step, no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80 °C Max.(rated current, 2 phase on)
Ambient Temperature	-20 °C ~ +50 °C
Insulation Resistance	100 MΩ Min., 500VDC
Dielectric Strength	500 VAC for one minute
Shaft Radial Play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

● **Specifications**

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
PHP35S34 34mm	PHP35S34-402	18	25.2	0.8	6.5	9.8	1.0	1.4	13	0.072
PHP35S42 42mm	PHP35S42-402	22	30.8	0.8	10.5	13	1.5	2.1	22	0.121
PHP35S52 52mm	PHP35S52-404	30	42	1.8	2.5	5.0	2.0	2.8	26	0.143

● **Mechanical Dimension**



Series	L	Mass
	mm (in.)	kg (lb.)
PHP35S34	34 (1.34)	0.16(0.35)
PHP35S42	42 (1.65)	0.20(0.44)
PHP35S52	52 (2.05)	0.23(0.51)