

PHP42S Series

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

Key Features

- Small Size
- Smooth Movement
- Low Inertia

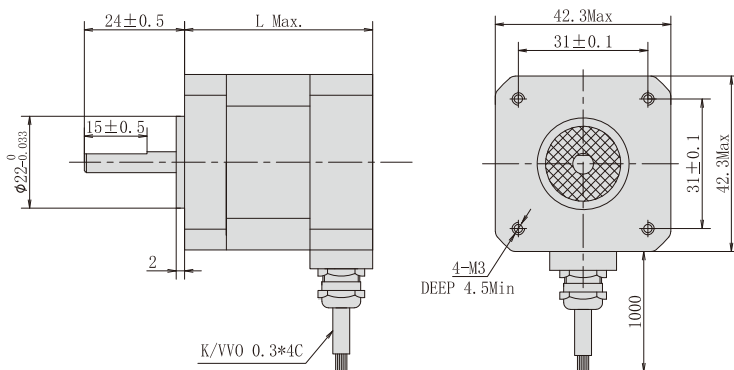


Step Angle	1.8°
Step Angle Accuracy	±5% (full step, no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80 °C Max.(rated current, 2 phase on)
Ambient Temperature	-20 °C ~ +50 °C
Insulation Resistance	100 MΩ Min., 500VDC
Dielectric Strength	500 VAC for one minute
Shaft Radial Play	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
PHP42S44 44mm	PHP42S44-402	40	56	1.7	1.5	2.8	2.2	3.08	54	0.297
PHP42S48 48mm	PHP42S52-403	52	72.8	2.3	1.2	1.6	2.6	3.64	68	0.374

Mechanical Dimension



Series	L	Mass
	mm (in.)	kg (lb.)
PHP42S44	44 (1.73)	0.28(0.62)
PHP42S52	52 (2.04)	0.35(0.77)