

Oriental Motor U.S.A. Corp.
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Item # PV264-02BA, 2-Phase Stepping Motor

\$93.00



2-Phase Stepping Motor

The PV series provides, on average, 1.5 times higher torque than a standard stepping motor. By utilizing a larger rotor diameter, larger magnets can be used to significantly increase the output torque.



SPECIFICATIONS

Product Line	VEXTA ®
Motor Type	2-Phase
Motor Frame Size	2.36 in. sq.
Gear/ Shaft Type	Round Shaft
Type	High-Inertia
Connection Type	Bipolar (Series) Unipolar
Lead Wires	6
Current per Phase (A/phase)	1.4 Bipolar (Series) 2 Unipolar
Encoder	Not Equipped
Shaft	Double
Step Angle	1.8 °
Maximum Holding Torque (lb-in)	9.4 [Bipolar (Series)] 6.6 [Unipolar]
Rotor Inertia (oz-in ²)	1.53 oz-in ²
RoHS Compliant	Yes
Available to Ship	3 Business Days (if ordered by 12pm PST) (1-9 pcs)

Insulation Resistance	100 M Ω minimum under normal temperature and humidity, when measured by a 500 VDC megger between the motor coils and casing.
Dielectric Strength	Sufficient to withstand 1.0 kV, 60 Hz applied between the motor coils and casing for 1 minute, under normal temperature and humidity.
Temperature Rise	Temperature rise of the coil measured by the Change Resistance Method is 144°F (80°C) or less (at standstill, two phases energized).
Insulation Class	Class B [266°F (130°C)]
Ambient Temperature Range	14°F ~ 122°F (-10°C ~ 50°C)
Ambient Humidity	85% or less
Shaft Runout	0.002 in (0.05 mm) T.I.R. at top of output shaft
Concentricity	0.003 in. (0.075 mm) T.I.R.
Perpendicularity	0.003 in. (0.075 mm) T.I.R.
Radial Play	0.001 inch (0.025 mm) max. of 1.12 lb. (5 N)
Axial Play	0.003 in (0.075 mm) max. of 2.2 lb. (10 N)
Step Accuracy	± 2 arc minutes ($\pm 0.034^\circ$)