

## Oriental Motor U.S.A. Corp.

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### Item # PK266M-E2.0B, 2-Phase Stepping Motor

\$84.00



#### 2-Phase Stepping Motor

The High Resolution Type have half the step angle of standard stepping motors. The high resolution type increase motor resolution from 200 steps/revolution to 400 steps/revolution.

## SPECIFICATIONS

Product Line	VEXTA &reg;
Motor Type	2-Phase Full/Half-step
Motor Frame Size	2.22 in. sq.
Gear/ Shaft Type	Round Shaft
Connection Type	Bipolar (Series) Unipolar Bipolar (Parallel)
Lead Wires	8
Current per Phase (A/phase)	1.4 Bipolar (Series) 2 Unipolar 2.8 Bipolar (Parallel)
Encoder	Not Equipped
Shaft	Double
Step Angle	0.9 &deg;
Maximum Holding Torque (lb-in)	10.4 [Bipolar (Series)] 7.9 [Unipolar]

	10.4 [Bipolar (Parallel)]
Rotor Inertia (oz-in <sup>2</sup> )	1.64 oz-in <sup>2</sup>
RoHS Compliant	Yes
Available to Ship	Same Day (if ordered by 12pm PST) (1-10 pcs)
Insulation Resistance	100 M ohms 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&deg;F (80&deg;C) or less (at standstill, two phases energized).
Insulation Class	Class B [266&deg;F (130&deg;C)]
Ambient Temperature Range	14&deg;F ~ 122&deg;F (-10&deg;C ~ 50&deg;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	&plusmn;3 arc minutes (&plusmn;0.05&deg;)