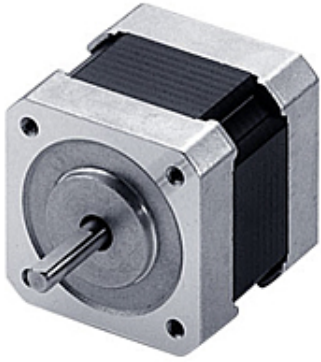


Item # PK245M-01BA, 2-Phase Stepping Motor

\$71.00



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.

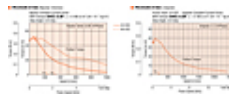


[LEAD TIME](#) · [SPECIFICATIONS](#)

LEAD TIME

Available to Ship	Same Day (if ordered by 12pm PST) (1-10 pcs)
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SPECIFICATIONS

Product Line	VEXTA ®
Motor Type	2-Phase
Speed-Torque Characteristics	 <p>Graph</p>
Holding Torque	Bipolar (Series) 53 oz-in Unipolar 45 oz-in Bipolar (Series) 0.38 N·m Unipolar 0.32 N·m
Current per Phase (A/phase)	0.85 [Bipolar (Series)] 1.2 [Unipolar]
Basic Step Angle	0.9°
Frame Size	1.65 in 42 mm
Type	High-Resolution

Shaft	Double
Rotor Inertia	0.37 g \cdot in ² 68 \times 10 ⁻⁷ kg \cdot m ²
Encoder	Not Equipped
Connection Type	Bipolar (Series) Unipolar
Motor Connection Type	Flying Leads
Lead Wires	6
Voltage (VDC)	5.6 [Bipolar (Series)] 4 [Unipolar]
Resistance (Ω /phase)	6.6 [Bipolar (Series)] 3.3 [Unipolar]
Inductance (mH/phase)	15.6 [Bipolar (Series)] 3.9 [Unipolar]
Shaft/Gear Type	Round Shaft
RoHS Compliant	Yes
Insulation Resistance	100 M Ω or more when 500 VDC megger is applied between the windings and the case under normal ambient temperature and humidity.
Dielectric Strength	Sufficient to withstand 0.5 kVAC at 50 Hz or 60 Hz applied between the windings and the case for 1 minute under normal ambient temperature and humidity.
Temperature Rise	Temperature rise of the windings is 144°F (80°C) or less measured by the change resistance method. (at rated current, at standstill, 2 phases energized)
Insulation Class	Class B [266°F (130°C)]
Ambient Temperature Range	14 ~ 122°F (-10 ~ 50°C) (non-freezing)
Ambient Humidity	85% or less (non-condensing)
Shaft Runout	0.05 mm (0.002 in.) T.I.R.
Concentricity	0.075 mm (0.003 in.) T.I.R.
Perpendicularity	0.075 mm (0.003 in.) T.I.R.
Radial Play	0.025 mm (0.001 in.) maximum of 5 N (1.12 lb.)
Axial Play	0.075 mm (0.003 in.) maximum of 10 N (2.2 lb.)
Step Accuracy	\pm 3 arc minutes (\pm 0.05°)