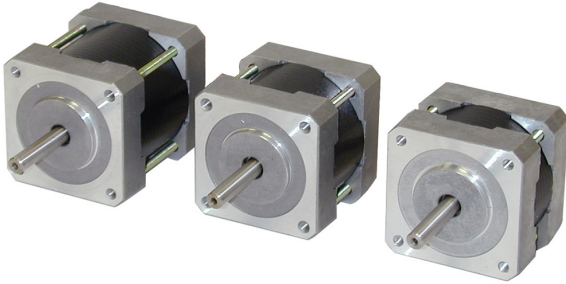


## 5017-013

NEMA 17 Step Motor

1pc. - \$10.00  
 50pc. - \$10.00



### Product Features

- **Closeout sale in progress**
- **Single shaft only**
- **Limited quantity in stock**
- 2-phase hybrid step motor
- Standard NEMA 17 dimensions
- 1.8 degree step angle



### Description

The 5017-013 stepper motor with single shaft (**see Note below**) is a two-phase hybrid step motor with a NEMA 17 frame size. The motor is no longer in production (and normally listed as archived on our website) but is being offered in a closeout sale to clear our inventory. Once the remaining inventory of this motor is depleted the motor will revert to being listed as archived on our website and will no longer be available for purchase. This makes the motor a good choice for one-time applications, research & development work, and hobbyist projects.



**Note:** Only the single-shaft version of this motor is available for purchase in the closeout sale. The double-shaft version, 5017-013D, is not available. All sales are final.

### Specifications

<b>Part Number</b>	5017-013
<b>Frame Size</b>	NEMA 17
<b>Motor Type</b>	Standard torque
<b>Part Number w/Double Shaft</b>	NA
<b>Part Number w/Encoder</b>	NA
<b>Motor Length</b>	1.85 inches
<b>Number of Lead Wires</b>	6
<b>Lead Wire Configuration</b>	flying leads, no connector
<b>Lead Wire/Cable Length</b>	12 inches
<b>Lead Wire Gauge</b>	22 AWG
<b>Unipolar Holding Torque</b>	30.5 oz-in

<b>Bipolar Holding Torque</b>	43.2 oz-in
<b>Step Angle</b>	1.8 deg
<b>Bipolar Series Current</b>	0.57 A/phase
<b>Bipolar Series Resistance</b>	15.0 Ohms/phase
<b>Bipolar Series Inductance</b>	26.4 mH/phase
<b>Bipolar Parallel Current</b>	NA
<b>Bipolar Parallel Resistance</b>	NA
<b>Bipolar Parallel Inductance</b>	NA
<b>Unipolar Current</b>	0.80 A/phase
<b>Unipolar Resistance</b>	7.5 Ohms/phase
<b>Unipolar Inductance</b>	6.6 mH/phase
<b>Rotor Inertia</b>	4.96E-04 oz-in-sec <sup>2</sup>
<b>Integral Gearhead</b>	No
<b>Weight</b>	NA
<b>Storage Temperature</b>	-40 to 70 °C
<b>Operating Temperature</b>	-10 to 40 °C
<b>Insulation Class</b>	Class B (130 °C)
<b>Maximum Radial Load</b>	NA
<b>Maximum Thrust Load</b>	NA
<b>Shaft Run Out</b>	0.001 inch T.I.R. max
<b>Radial Play</b>	0.001 inch max w/ 4.4 lb load
<b>End Play</b>	0.001 inch max w/ 6.6 lb load
<b>Perpendicularity</b>	0.003 inches
<b>Concentricity</b>	0.002 inches

## Downloads

<b>Datasheet</b>	 <a href="#">StepMotorWiring-6-lead.pdf</a>
<b>2D Drawing</b>	 <a href="#">5017-013 rev E.pdf</a>
<b>3D Drawing</b>	There are currently no 3D Drawings available for this product.
<b>Speed-Torque Curves</b>	There are currently no Speed-Torque Curves documents available for this product.
<b>Agency Approvals</b>	There are no related agency approval documents at this time.
<b>Application Notes</b>	There are currently no Application Notes available for this product.

<b>5017-013</b> Part No. w/ Single Shaft	
<b>1pc.</b>	\$10.00
<b>25pc.</b>	\$10.00
<b>50pc.</b>	\$10.00
<b>100pc.</b>	<a href="#">Contact us</a> for 100+ piece pricing.