

## 5034-368

NEMA 34 Step Motor

Call for pricing  
1-800-525-1609



### Product Features

- 2-phase hybrid step motor
- Standard NEMA 34 dimensions



### Description




The 5034-368 two-phase stepper motor is not available for new applications. Please consider the [HT34-488](#) as a replacement. To view all step motors go to the [browse stepper motors](#) page. For additional assistance selecting a step motor [contact us](#) or call 1-800-525-1609.

### Specifications

<b>Part Number</b>	5034-368
<b>Frame Size</b>	NEMA 34
<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>	3.70 inches
<b>Number of Lead Wires</b>	8
<b>Lead Wire Configuration</b>	shielded cable, no connector
<b>Lead Wire/Cable Length</b>	10 feet
<b>Lead Wire Gauge</b>	22 AWG
<b>Unipolar Holding Torque</b>	300 oz-in
<b>Bipolar Holding Torque</b>	424 oz-in
<b>Step Angle</b>	1.8 deg
<b>Bipolar Series Current</b>	3.54 A/phase
<b>Bipolar Series Resistance</b>	1.0 Ohms/phase

<b>Bipolar Series Inductance</b>	11.6 mH/phase
<b>Bipolar Parallel Current</b>	7.07 A/phase
<b>Bipolar Parallel Resistance</b>	0.25 Ohms/phase
<b>Bipolar Parallel Inductance</b>	2.9 mH/phase
<b>Unipolar Current</b>	5.0 A/phase
<b>Unipolar Resistance</b>	0.5 Ohms/phase
<b>Unipolar Inductance</b>	2.9 mH/phase
<b>Rotor Inertia</b>	1.74E-02 oz-in-sec <sup>2</sup>
<b>Integral Gearhead</b>	No
<b>Weight</b>	5.9 lbs
<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>	25 lbs
<b>Maximum Thrust Load</b>	50 lbs
<b>Shaft Run Out</b>	0.001 inch T.I.R. max
<b>Radial Play</b>	0.001 inch max w/ 1.0 lb load
<b>End Play</b>	0.001 inch max w/ 15.0 lb load
<b>Perpendicularity</b>	0.003 inches
<b>Concentricity</b>	0.002 inches

## Downloads

<b>Datasheet</b>	 <a href="#">StepMotorWiring-8-lead-cabled-solid.pdf</a>
<b>2D Drawing</b>	 <a href="#">5034-368_RevA.pdf</a>  <a href="#">341895_RevD.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.

## Pricing

	<b>5034-368</b> Part No. w/ Single Shaft	<b>5034-368D</b> Part No. w/ <b>Double Shaft</b>
<b>1pc.</b>		
<b>25pc.</b>		
<b>50pc.</b>		
<b>100pc.</b>	<a href="#">Contact us</a> for 100+ piece pricing.	