

## 5034-368

NEMA 34 Step Motor



### ***Product Features***

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



## Description

### **Product 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>	5034-368D
<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 inches
<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>Family Datasheet:</b>	 <a href="#">StepMotorWiring-8-lead-cabled-solid.pdf</a>
<b>Datasheet:</b>	<a href="http://s3.amazonaws.com/applied-motion-pdf/5034-368.pdf">http://s3.amazonaws.com/applied-motion-pdf/5034-368.pdf</a>
<b>2D Drawing:</b>	 <a href="#">5034-368 rev A.pdf</a>