

4034-334

NEMA 34 Step Motor



Product Features

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



Description

Product Description:

The 4034-334 two-phase stepper motor is not available for new applications. Please consider the [HT34-505](#) 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

Part Number:	4034-334
Frame Size:	NEMA 34
Motor Type:	Standard torque
Part Number w/Double Shaft:	4034-334D
Motor Length:	5.08 inches
Number of Lead Wires:	6
Lead Wire Configuration:	flying leads, no connector
Lead Wire/Cable Length:	18 inches inches
Lead Wire Gauge:	18 AWG
Unipolar Holding Torque:	450 oz-in
Bipolar Holding Torque:	636 oz-in
Step Angle:	1.8 deg
Bipolar Series Current:	2.5 A/phase
Bipolar Series Resistance:	2.4 Ohms/phase
Bipolar Series Inductance:	28.0 mH/phase
Unipolar Current:	3.5 A/phase
Unipolar Resistance:	1.2 Ohms/phase
Unipolar Inductance:	7.0 mH/phase
Rotor Inertia:	2.65E-02 oz-in-sec ²
Integral Gearhead:	No
Weight:	7.7 lbs
Storage Temperature:	-40 to 70 °C
Operating Temperature:	-20 to 50 °C
Insulation Class:	Class B (130 °C)
Maximum Radial Load:	25 lbs
Maximum Thrust Load:	50 lbs
Shaft Run Out:	0.002 inch T.I.R. max

Radial Play:	0.001 inch max w/ 1.0 lb load
End Play:	0.001 inch max w/ 15.0 lb load
Perpendicularity:	0.003 inches
Concentricity:	0.002 inches

Downloads

Family Datasheet:	 StepMotorWiring-6-lead.pdf
Datasheet:	http://s3.amazonaws.com/applied-motion-pdf/4034-334.pdf
2D Drawing:	 4034-334 rev C.pdf