

4034-329

NEMA 34 Step Motor



Product Features

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



Description

Product Description:



The 4034-329 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:	4034-329
Frame Size:	NEMA 34
Motor Type:	Standard torque
Part Number w/Double Shaft:	4034-329D
Motor Length:	3.70 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:	300 oz-in
Bipolar Holding Torque:	424 oz-in
Step Angle:	1.8 deg
Bipolar Series Current:	2.8 A/phase
Bipolar Series Resistance:	1.5 Ohms/phase
Bipolar Series Inductance:	12.0 mH/phase
Unipolar Current:	4.0 A/phase
Unipolar Resistance:	0.75 Ohms/phase
Unipolar Inductance:	3.0 mH/phase
Rotor Inertia:	1.74E-02 oz-in-sec ²
Integral Gearhead:	No
Weight:	5.4 lbs
Storage Temperature:	-40 to 70 °C
Operating Temperature:	-25 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/4034-329.pdf
2D Drawing:	 4034-329 rev D.pdf