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Product Datasheet

www.Applied-Motion.com

5034-348

NEMA 34 Step Motor

Product Features

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

Description

Product Description:

The 5034-348 two-phase stepper motor is not available for new applications. Please consider theHT34-504 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:	5034-348
Frame Size:	NEMA 34
Motor Type:	Standard torque
Part Number w/Double Shaft:	5034-348D
Motor Length:	2.44 inches
Number of Lead Wires:	8
Lead Wire Configuration:	flying leads, no connector
Lead Wire/Cable Length:	18 inches inches
Lead Wire Gauge:	18 AWG
Unipolar Holding Torque:	150 oz-in
Bipolar Holding Torque:	212 oz-in
Step Angle:	1.8 deg
Bipolar Series Current:	2.42 A/phase
Bipolar Series Resistance:	1.28 Ohms/phase
Bipolar Series Inductance:	9.8 mH/phase
Bipolar Parallel Current:	4.84 A/phase
Bipolar Parallel Resistance:	0.32 Ohms/phase
Bipolar Parallel Inductance:	2.45 mH/phase
Unipolar Current:	3.42 A/phase
Unipolar Resistance:	0.64 Ohms/phase
Unipolar Inductance:	2.45 mH/phase
Rotor Inertia:	9.49E-03 oz-in-sec^2
Integral Gearhead:	No
Weight:	3.0 lbs
Storage Temperature:	-40 to 70 °C
Operating Temperature:	-20 to 50 °C

Insulation Class:	Class B (130 ºC)
Maximum Radial Load:	25 lbs
Maximum Thrust Load:	50 lbs
Shaft Run Out:	0.001 inch T.I.R. max
Radial Play:	0.001 inch max w/ 1.0 lb load
End Play:	0.001 inch max w/ 12.0 lb load
Perpendicularity:	0.003 inches
Concentricity:	0.002 inches

Downloads

Family Datasheet:	StepMotorWiring-8-lead-striped.pdf
Datasheet:	http://s3.amazonaws.com/applied-motion-pdf/5034-348.pdf
2D Drawing:	5034-348 rev C.pdf