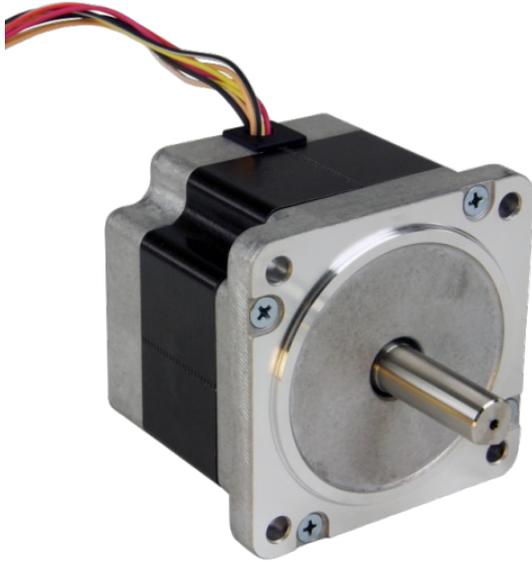


HT34-504

NEMA 34 High Torque Step Motor

1pc. - 108.00
50pc. - 81.00



Product Features

- *2-phase hybrid step motor*
- *High torque design*
- *Standard NEMA 34 dimensions*
- *Series or parallel wiring*



Description

Product Description:

The HT34-504 two-phase stepper motor is suitable for a wide range of motion control applications. Terminated with 8 motor leads, the motor can be connected in a few different ways, including bipolar series and bipolar parallel.

- HT34-504 is a replacement for [HT34-474](#) .

The single and double-shaft versions of this motor are UL Recognized in the US and Canada, file no. E472271. The encoder is not included in the listing.

Specifications

Part Number:	HT34-504
Frame Size:	NEMA 34
Motor Type:	High torque
Part Number w/Double Shaft:	HT34-504D
Part Number w/Encoder:	HT34-504D-YAA
Motor Length:	2.62 inches
Number of Lead Wires:	8
Lead Wire Configuration:	flying leads, no connector
Lead Wire/Cable Length:	12 inches inches
Lead Wire Gauge:	22 AWG
Unipolar Holding Torque:	297 oz-in
Bipolar Holding Torque:	397 oz-in
Step Angle:	1.8 deg
Bipolar Series Current:	3.18 A/phase
Bipolar Series Resistance:	0.96 Ohms/phase
Bipolar Series Inductance:	6.8 mH/phase
Bipolar Parallel Current:	6.30 A/phase
Bipolar Parallel Resistance:	0.24 Ohms/phase
Bipolar Parallel Inductance:	1.7 mH/phase
Unipolar Current:	4.50 A/phase
Unipolar Resistance:	0.48 Ohms/phase
Unipolar Inductance:	1.7 mH/phase
Rotor Inertia:	1.56E-02 oz-in-sec ²
Integral Gearhead:	No
Weight:	3.5 lbs
Storage Temperature:	-30 to 70 °C

Operating Temperature:	-20 to 50 °C
Insulation Class:	Class B (130 °C)
Maximum Radial Load:	28 lbs
Maximum Thrust Load:	6.3 lbs
Shaft Run Out:	0.002 inch T.I.R. max
Radial Play:	0.001 inch max w/ 1.1 lb load
End Play:	0.003 inch max w/ 1.1 lb load
Perpendicularity:	0.004 inches
Concentricity:	0.002 inches

Downloads

Family Datasheet:	 StepMotorWiring-8-lead-striped.pdf
Datasheet:	http://s3.amazonaws.com/applied-motion-pdf/HT34-504.pdf
2D Drawing:	 HT34-504_RevB.pdf  HT34-504D-YAA_RevB.pdf
3D Drawing:	 34HT66D.igs  HT34-504D_66_5mm-YAAEnc.igs
Speed-Torque Curves:	 STR_speed-torque.pdf

Pricing

	HT34-504 Part No. w/ Single Shaft	HT34-504D Part No. w/ Double Shaft	HT34-504D-YAA Part No. w/ Encoder
1pc.	\$108.00	\$108.00	\$234.00
25pc.	\$92.88	\$92.88	\$201.24
50pc.	\$81.00	\$81.00	\$175.50
100pc.	Request a Quote for 100+ piece pricing.		