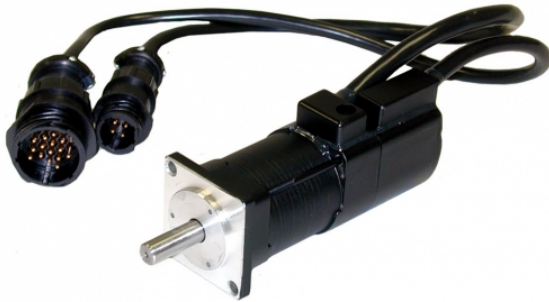


A0100-101-3-000

40mm Servo Motor, 100W

1pc. - 200.00
50pc. - 200.00



Product Features

- *High torque density*
- *Low rotor inertia*
- *Compact size*
- *High-resolution, incremental encoders (2000 lines, 8000 counts)*



Description



High performance brushless AC servo motor. Standard configuration includes high-resolution, incremental encoder feedback.

Specifications

| | |
|--------------------------------|---------------------------------|
| Part Number: | A0100-101-3-000 |
| Frame Size: | 40 mm |
| Continuous Torque: | 2.81 in-lb |
| Peak Torque: | 8.41 in-lb |
| Rated Power: | 100 watts |
| Rated Voltage: | 100 volts |
| Rated Speed: | 3000 rpm |
| Peak Speed: | 5000 rpm |
| Rated Current: | 1.5 A rms |
| Peak Current: | 4.5 A rms |
| Torque Constant: | 1.96 in-lb/A |
| Voltage Constant: | 23.0 V/krpm |
| Armature Resistance: | 7.4 ohms |
| Armature Inductance: | 10 mH |
| Motor Length: | 3.94 inch |
| Rotor Inertia: | 5.95E-04 oz-in-sec ² |
| Weight: | 1.1 lbs |
| Integral Holding Brake: | No |
| Storage Temperature: | -10 to 85 °C |
| Operating Temperature: | 0 to 40 °C |
| Insulation Class: | Class B (130 °C) |
| Maximum Radial Load: | 17 lbs |
| Maximum Thrust Load: | 8.8 lbs |
| Shaft Run Out: | 0.0008 inch T.I.R. max |
| End Play: | 0.008 inch max |
| Perpendicularity: | 0.003 inches |
| Concentricity: | 0.002 inches |

Downloads

Datasheet: <http://s3.amazonaws.com/applied-motion-pdf/A0100-101-3-000.pdf>

2D Drawing:  [A0100-101-3-000A.pdf](#)
 [A0_0-1_-3-000_DWG_revE.pdf](#)

Pricing

| | A0100-101-3-000 Part No. A0100-101-3-000 |
|---------------|---|
| 1pc. | \$200.00 |
| 25pc. | |
| 50pc. | |
| 100pc. | Request a Quote for 100+ piece pricing. |