

A0100-102-3-000

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:	A0100-102-3-000
Frame Size:	40 mm
Continuous Torque:	2.81 in-lb
Peak Torque:	8.41 in-lb
Rated Power:	100 watts
Rated Voltage:	200 volts
Rated Speed:	3000 rpm
Peak Speed:	5000 rpm
Rated Current:	0.9 A rms
Peak Current:	2.7 A rms
Torque Constant:	3.36 in-lb/A
Voltage Constant:	39.8 V/krpm
Armature Resistance:	22.8 ohms
Armature Inductance:	34 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/A0100-102-3-000.pdf>

2D Drawing:  [A0100-102-3-000A.pdf](#)
 [A0_0-1_-3-000_DWG_revE.pdf](#)

Pricing

	A0100-102-3-000 Part No. A0100-102-3-000
1pc.	\$200.00
25pc.	
50pc.	
100pc.	Request a Quote for 100+ piece pricing.