

## A0100-104-3-000

40mm Servo Motor, 100W

1pc. - 215.00  
50pc. - 215.00



### **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

<b>Part Number:</b>	A0100-104-3-000
<b>Frame Size:</b>	40 mm
<b>Continuous Torque:</b>	2.81 in-lb
<b>Peak Torque:</b>	8.41 in-lb
<b>Rated Power:</b>	100 watts
<b>Rated Voltage:</b>	48 volts
<b>Rated Speed:</b>	3000 rpm
<b>Peak Speed:</b>	5000 rpm
<b>Rated Current:</b>	3.0 A rms
<b>Peak Current:</b>	9.0 A rms
<b>Torque Constant:</b>	0.98 in-lb/A
<b>Voltage Constant:</b>	11.7 V/krpm
<b>Armature Resistance:</b>	2.0 ohms
<b>Armature Inductance:</b>	2.6 mH
<b>Motor Length:</b>	3.94 inch
<b>Rotor Inertia:</b>	5.95E-04 oz-in-sec <sup>2</sup>
<b>Weight:</b>	1.1 lbs
<b>Integral Holding Brake:</b>	No
<b>Storage Temperature:</b>	-10 to 85 °C
<b>Operating Temperature:</b>	0 to 40 °C
<b>Insulation Class:</b>	Class B (130 °C)
<b>Maximum Radial Load:</b>	17 lbs
<b>Maximum Thrust Load:</b>	8.8 lbs
<b>Shaft Run Out:</b>	0.0008 inch T.I.R. max
<b>End Play:</b>	0.008 inch max
<b>Perpendicularity:</b>	0.003 inches
<b>Concentricity:</b>	0.002 inches

## Downloads

**Datasheet:** <http://s3.amazonaws.com/applied-motion-pdf/A0100-104-3-000.pdf>

**2D Drawing:**  [A0100-104-3-000C.pdf](#)  
 [A0\\_0-1\\_-3-000\\_DWG\\_revE.pdf](#)

## Pricing

	<b>A0100-104-3-000</b> Part No. A0100-104-3-000
<b>1pc.</b>	\$215.00
<b>25pc.</b>	
<b>50pc.</b>	
<b>100pc.</b>	<a href="#">Request a Quote</a> for 100+ piece pricing.