

M0100-103-3-000

40mm Servo Motor, 100W

1pc. - \$589.00
50pc. - \$441.75



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	M0100-103-3-000
Frame Size	40 mm
Continuous Torque	2.8 in-lb
Peak Torque	8.4 in-lb
Rated Power	100 watts
Rated Voltage	24 volts
Rated Speed	3000 rpm
Peak Speed	5000 rpm
Rated Current	7.4 A rms
Peak Current	21.0 A rms
Torque Constant	0.4 in-lb/A
Voltage Constant	4.8 V/krpm
Armature Resistance	0.46 ohms
Armature Inductance	0.64 mH
Motor Length	3.94 inch
Rotor Inertia	4.25E-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
Radial Play	NA
End Play	0.008 inch max
Perpendicularity	0.003 inches
Concentricity	0.002 inches

Downloads

Datasheet	 Servo-Products-Datasheet-925-0008.pdf
2D Drawing	 M0100-103-3-000_RevC.pdf
3D Drawing	 M0100-103-3-000.igs
Speed-Torque Curves	 SV7_speed-torque.pdf
Agency Approvals	There are no related agency approval documents at this time.
Application Notes	There are currently no Application Notes available for this product.

Pricing

M0100-103-3-000 Part No. M0100-103-3-000	
1pc.	\$589.00
25pc.	\$506.54
50pc.	\$441.75
100pc.	Contact us for 100+ piece pricing.