

M0050-153-3-000

40mm Servo Motor, 50W

1pc. - 250.00
50pc. - 250.00



Product Features

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



Description



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

Specifications

Part Number:	M0050-153-3-000
Frame Size:	40 mm
Continuous Torque:	1.4 in-lb
Peak Torque:	4.2 in-lb
Rated Power:	50 watts
Rated Voltage:	24 volts
Rated Speed:	3000 rpm
Peak Speed:	5000 rpm
Rated Current:	3.9 A rms
Peak Current:	10.4 A rms
Torque Constant:	0.4 in-lb/A
Voltage Constant:	4.8 V/krpm
Armature Resistance:	1.0 ohms
Armature Inductance:	1.1 mH
Motor Length:	4.84 inch
Rotor Inertia:	7.08E-04 oz-in-sec ²
Weight:	1.3 lbs
Integral Holding Brake:	Yes
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/M0050-153-3-000.pdf>

2D Drawing:  [M0050-153-3-000_RevA.pdf](#)
 [50-24-40-17_RevB.pdf](#)

Pricing

	M0050-153-3-000 Part No. M0050-153-3-000
1pc.	\$250.00
25pc.	
50pc.	
100pc.	Request a Quote for 100+ piece pricing.