

M0200-151-5-000

80mm Servo Motor, 200W

1pc. - 235.00
50pc. - 235.00



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:	M0200-151-5-000
Frame Size:	80 mm
Continuous Torque:	5.7 in-lb
Peak Torque:	17 in-lb
Rated Power:	200 watts
Rated Voltage:	100 volts
Rated Speed:	3000 rpm
Peak Speed:	5000 rpm
Rated Current:	3.1 A rms
Peak Current:	8.4 A rms
Torque Constant:	2.0 in-lb/A
Voltage Constant:	23.7 V/krpm
Armature Resistance:	1.8 ohms
Armature Inductance:	5.8 mH
Motor Length:	4.78 inch
Rotor Inertia:	7.50E-03 oz-in-sec ²
Weight:	4.2 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:	44 lbs
Maximum Thrust Load:	15.4 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/M0200-151-5-000.pdf>

2D Drawing: [M0200-151-5-000_RevB.pdf](#)
[200-100-80-34_RevC.pdf](#)

Pricing

	M0200-151-5-000 Part No. M0200-151-5-000
1pc.	\$235.00
25pc.	
50pc.	
100pc.	Request a Quote for 100+ piece pricing.