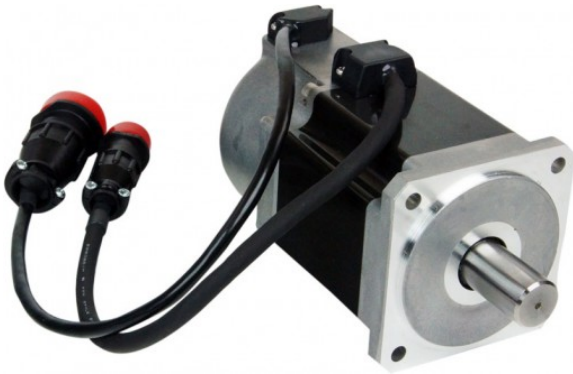


M0750-102-5-000

80mm Servo Motor, 750W



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.

This motor is no longer available for new applications. See the [J Series Servo Motors](#) for new applications. For existing users of M Series Servo Motors, the following document explains the transition process from M Series to J Series: [Transition-M-to-J-Series-Servo-Motors.pdf](#)

Specifications

Part Number:	M0750-102-5-000
Frame Size:	80 mm
Continuous Torque:	21 in-lb
Peak Torque:	64 in-lb
Rated Power:	750 watts
Rated Voltage:	200 volts
Rated Speed:	3000 rpm
Peak Speed:	5000 rpm
Rated Current:	5.0 A rms
Peak Current:	14.5 A rms
Torque Constant:	4.4 in-lb/A
Voltage Constant:	52.2 V/krpm
Armature Resistance:	1.3 ohms
Armature Inductance:	6.3 mH
Motor Length:	5.32 inch
Rotor Inertia:	1.53E-02 oz-in-sec ²
Weight:	5.5 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:	77 lbs
Maximum Thrust Load:	22 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/M0750-102-5-000.pdf
Family Datasheet:	 Servo-Products-Datasheet-925-0008.pdf
2D Drawing:	 M0750-102-5-000_RevC.pdf
3D Drawing:	 M0750-102-5-000.igs
Application Notes:	 Transition-M-to-J-Series-Servo-Motors.pdf