

V0200-214-B-000

NEMA 23 Servo Motor, 200W



Product Features

- *Brushless DC servo motor*
- *Standard NEMA frame size*
- *Bearing-mount encoder*
- *High resolution, incremental encoder (2048 lines, 8192 counts)*








Description

Brushless DC servo motor with high resolution encoder feedback.

Specifications

Part Number:	V0200-214-B-000
Frame Size:	NEMA 23
Continuous Torque:	3.36 in-lb
Peak Torque:	10 in-lb
Rated Power:	200 watts
Rated Voltage:	48 volts
Rated Speed:	5000 rpm
Peak Speed:	5900 rpm
Rated Current:	5.7 A rms
Peak Current:	16.5 A rms
Torque Constant:	0.620 in-lb/A
Voltage Constant:	7.4 V/krpm
Armature Resistance:	0.6 ohms
Armature Inductance:	3.0 mH
Motor Length:	3.07 inch
Rotor Inertia:	2.58E-03 oz-in-sec ²
Weight:	2.6 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:	13 lbs
Maximum Thrust Load:	6.6 lbs
End Play:	0.004 inch max w/ 6.6 lb load

Downloads

Datasheet:	http://s3.amazonaws.com/applied-motion-pdf/V0200-214-B-000.pdf
Family Datasheet:	 Servo-Products-Datasheet-925-0008.pdf
2D Drawing:	 V0200_FA_Enc_3D.pdf
	 V0200-214-B-000 RevE.pdf
3D Drawing:	 V0200-N1X-B-000_wFA_ENC.igs
Speed-Torque Curves:	 SV7_speed-torque.pdf