

V0300-212-B-000

NEMA 23 Servo Motor, 300W



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	V0300-212-B-000
Frame Size	NEMA 23
Continuous Torque	5.0 in-lb
Peak Torque	15 in-lb
Rated Power	300 watts
Rated Voltage	300 volts
Rated Speed	5000 rpm
Peak Speed	8000 rpm
Rated Current	1.8 A rms
Peak Current	5.4 A rms
Torque Constant	2.83 in-lb/A
Voltage Constant	33.7 V/krpm
Armature Resistance	9.24 ohms
Armature Inductance	43.6 mH
Motor Length	4.09 inch
Rotor Inertia	3.82E-03 oz-in-sec ²
Weight	3.7 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
Shaft Run Out	NA
Radial Play	NA
End Play	0.004 inch max w/ 6.6 lb load
Perpendicularity	NA
Concentricity	NA