

V0300-212-B-000

NEMA 23 Servo Motor, 300W

1pc. - \$579.00
50pc. - \$434.25



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 |

Downloads

| | |
|----------------------------|--|
| Datasheet |  Servo-Products-Datasheet-925-0008.pdf |
| 2D Drawing |  V0300_FA_wENC_3D.pdf  V0300-212-B-000_RevB.pdf |
| 3D Drawing |  V0300-N1X-B-000_wFA_ENC.igs |
| Speed-Torque Curves |  SVAC3_speed-torque.pdf |
| Agency Approvals | There are no related agency approval documents at this time. |
| Application Notes | There are currently no Application Notes available for this product. |

Pricing

| | V0300-212-B-000 Part No. V0300-212-B-000 |
|---------------|--|
| 1pc. | \$579.00 |
| 25pc. | \$497.94 |
| 50pc. | \$434.25 |
| 100pc. | Contact us for 100+ piece pricing. |