

**V0050-211-A-000**

NEMA 17 Servo Motor, 50W

1pc. - 179.00  
50pc. - 179.00



### **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

<b>Part Number:</b>	V0050-211-A-000
<b>Frame Size:</b>	NEMA 17
<b>Continuous Torque:</b>	0.84 in-lb
<b>Peak Torque:</b>	2.6 in-lb
<b>Rated Power:</b>	50 watts
<b>Rated Voltage:</b>	150 volts
<b>Rated Speed:</b>	5000 rpm
<b>Peak Speed:</b>	8000 rpm
<b>Rated Current:</b>	1.8 A rms
<b>Peak Current:</b>	5.4 A rms
<b>Torque Constant:</b>	0.053 in-lb/A
<b>Voltage Constant:</b>	5.54 V/krpm
<b>Armature Resistance:</b>	2.84 ohms
<b>Armature Inductance:</b>	6.76 mH
<b>Motor Length:</b>	1.77 inch
<b>Rotor Inertia:</b>	4.11E-04 oz-in-sec <sup>2</sup>
<b>Weight:</b>	0.66 lbs
<b>Integral Holding Brake:</b>	No
<b>Storage Temperature:</b>	-10 to 85 °C
<b>Operating Temperature:</b>	0 to 40 °C
<b>Insulation Class:</b>	Class B (130 °C)
<b>Maximum Radial Load:</b>	8.8 lbs
<b>Maximum Thrust Load:</b>	4.4 lbs
<b>End Play:</b>	0.004 inch max w/ 4.4 lb load

## Downloads

<b>Datasheet:</b>	<a href="http://s3.amazonaws.com/applied-motion-pdf/V0050-211-A-000.pdf">http://s3.amazonaws.com/applied-motion-pdf/V0050-211-A-000.pdf</a>
<b>Family Datasheet:</b>	 <a href="#">Servo-Products-Datasheet-925-0008.pdf</a>
<b>2D Drawing:</b>	 <a href="#">V0050-211-A-000_RevB.pdf</a>
	 <a href="#">V0050_FA_Enc_3D.pdf</a>
<b>3D Drawing:</b>	 <a href="#">V0050-N1X-A-000_wFA_ENC.igs</a>
<b>Speed-Torque Curves:</b>	 <a href="#">SVAC3_speed-torque.pdf</a>

## Pricing

V0050-211-A-000 Part No. V0050-211-A-000	
<b>1pc.</b>	\$179.00
<b>25pc.</b>	
<b>50pc.</b>	
<b>100pc.</b>	<a href="#">Request a Quote</a> for 100+ piece pricing.