

View Online at <https://aerobasegroup.com/nsn/5990-00-501-2014>

**Body Material:**

Steel, corrosion resisting

**Body Style:**

Standard round b

**Shoulder Diameter:**

2.7500 inches

**Pilot Diameter:**

2.7000 inches

**Overall Length:**

5.7300 inches

**Flange Diameter:**

3.1000 inches

**Flange Thickness:**

0.2500 inches

**Undercut Width:**

0.2500 inches

**Shaft Diameter:**

0.2500 inches single shaft

**Shaft Length:**

0.8000 inches single shaft

**Body Size:**

31

**Rotor Input Voltage Rating In Volts:**

115.0

**Frequency In Hertz:**

400.0

**Rotor Input Current Rating:**

1.8 amperes

**Rotor Input Electrical Power Rating:**

17.0 watts

**Zro Impedance Magnitude In Ohms:**

166.00

**Zro Impedance Angle In Deg:**

87.00

**Zss Impedance Magnitude In Ohms:**

5.90

**Zss Impedance Angle In Deg:**

72.00

**Phase Shift Angle In Deg:**

2.000 input to output

**Maximum Fundamental Null Voltage In Millivolts Per Volt:**

35.00 output

**Maximum Total Null Voltage Output In Millivolts Per Volt:**

100.00

**Electrical Error Angular Range In Minutes:**

-8.0/+8.0

**Spline Tooth Quantity:**

22 single shaft

**Actuator Friction Torque At Plus 25 Deg Celsius:**

0.50 inch-ounces

**Torque Gradient Per Angular Deg:**

0.670 inch-ounces

**Pilot Length:**

0.6750 inches

**Shoulder Length:**

0.3750 inches

**Mounting Surface To Terminal End Distance:**

3.3800 inches

**Spline Tooth Diametral Pitch:**

96 single shaft

**Shaft Thread Series Designator:**

Unf single shaft

**Shaft Thread Direction:**

Right-hand single shaft

**Shaft Thread Class:**

2a single shaft

**Terminal Location:**

Rear

**Shaft Thread Length:**

0.2670 inches single shaft

**Shaft Type:**

Spline w/threads single shaft

**Transformation Ratio:**

0.783 rotor to stator

**Shaft Thread Size:**

0.250 inches single shaft

**Terminal Type And Quantity:**

5 screw

**Specification Or Standard:**

31tx4c type

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fig:**

A07800