

View Online at <https://aerobasegroup.com/nsn/5990-01-213-6319>

**Body Material:**

Steel, corrosion resisting

**Body Style:**

Standard round b

**Shoulder Diameter:**

Between 1.3070 inches and 1.3120 inches

**Pilot Diameter:**

Between 0.8745 inches and 0.8750 inches

**Overall Length:**

3.0830 inches

**Flange Diameter:**

Between 1.4320 inches and 1.4370 inches

**Flange Thickness:**

Between 0.0880 inches and 0.0980 inches

**Undercut Width:**

Between 0.0730 inches and 0.0830 inches

**Shaft Diameter:**

0.1870 inches and 0.1872 inches single shaft

**Shaft Length:**

0.5450 inches and 0.5650 inches single shaft

**Maximum Temperature Rise:**

10.0 degrees celsius

**Body Size:**

15

**Stator Input Voltage Rating In Volts:**

90.0

**Stator Input Current Rating:**

13.0 milliamperes

**Stator Input Electrical Power Rating:**

210.0 milliwatts

**Frequency In Hertz:**

60.0

**Zso Impedance Magnitude In Ohms:**

6250.00

**Zso Impedance Angle In Deg:**

Between 76.00 and 84.00

**Zrs Impedance Magnitude In Ohms:**

1475.00

**Zrs Impedance Angle In Deg:**

Between 12.00 and 20.00

**Phase Shift Angle In Deg:**

9.000 input to output

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

50.00 output

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

100.00

**Electrical Error Angular Range In Minutes:**

-10.0 to 10.0

**Spline Tooth Quantity:**

21 single shaft

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

0.05 inch-ounces

**Alignment Hole Quantity:**

4

**Shaft Radial Play Test Point:**

0.125 inches

**Shaft Maximum Radial Play:**

0.0006 inches

**Shaft End Play:**

Between 0.0005 inches and 0.0015 inches

**Pilot Length:**

Between 0.0350 inches and 0.0450 inches

**Shoulder Length:**

Between 0.1070 inches and 0.1270 inches

**Mounting Surface To Terminal End Distance:**

2.5180 inches

**Spline Tooth Diametral Pitch:**

120 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:**

0.2000 inches single shaft

**Shaft Type:**

Spline w/threads single shaft

**Alignment Hole Depth:**

0.1250 inches

**Transformation Ratio:**

0.735 rotor to stator

**Alignment Hole Bolt Circle Diameter:**

Between 1.0970 inches and 1.1030 inches

**Shaft Thread Size:**

0.190 inches single shaft

**Shaft Radial Play Determining Weight:**

8.0 ounces

**Shaft End Play Determining Weight:**

16.0 ounces

**Terminal Type And Quantity:**

5 screw

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fig:**

A07800