

View Online at <https://aerobasegroup.com/nsn/5990-01-066-0461>

**Body Material:**

Steel, corrosion resisting

**Body Style:**

Standard round d

**Shoulder Diameter:**

1.9950 inches

**Pilot Diameter:**

0.5950 inches

**Second Shoulder Diameter:**

1.9995 inches

**Second Shoulder Length:**

0.1700 inches

**Overall Length:**

4.3420 inches

**Flange Diameter:**

2.2500 inches

**Flange Thickness:**

0.2500 inches

**Body Diameter:**

1.9900 inches

**Shaft Diameter:**

0.2405 inches single shaft

**Shaft Length:**

0.7190 inches single shaft

**Maximum Temperature Rise:**

20.0 degrees celsius

**Body Size:**

8

**Rotor Input Voltage Rating In Volts:**

115.0

**Frequency In Hertz:**

400.0

**Rotor Input Current Rating:**

245.0 milliamperes

**Rotor Input Electrical Power Rating:**

1.7 watts

**Zro Impedance Magnitude In Ohms:**

Between 470.00 and 580.00

**Zro Impedance Angle In Deg:**

Between 84.00 and 87.50

**Zss Impedance Magnitude In Ohms:**

Between 21.60 and 26.00

**Zss Impedance Angle In Deg:**

Between 42.00 and 47.00

**Phase Shift Angle In Deg:**

1.000 input to output

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

32.00 input

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

48.00

**Electrical Error Angular Range In Minutes:**

-6.0/+6.0

**Spline Tooth Quantity:**

22 single shaft

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

0.20 inch-ounces

**Alignment Hole Quantity:**

4

**Shaft Maximum Radial Play:**

0.0010 inches

**Shaft End Play:**

0.0025 inches

**Pilot Length:**

0.0430 inches

**Shoulder Length:**

0.2930 inches

**Aft Of First Flange Diameter:**

1.9995 inches

**Mounting Surface To Terminal End Distance:**

3.1600 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:**

0.3330 inches single shaft

**Shaft Type:**

Spline w/threads single shaft

**Alignment Hole Depth:**

0.0640 inches

**Transformation Ratio:**

0.783 rotor to stator

**Alignment Hole Bolt Circle Diameter:**

1.4370 inches

**Shaft Thread Size:**

0.250 inches single shaft

**Terminal Type And Quantity:**

5 screw

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fig:**

A07800