

View Online at <https://aerobasegroup.com/nsn/5990-00-810-1518>

**Body Material:**

Steel, stainless

**Body Style:**

Standard round, rotatable stator c

**Shoulder Diameter:**

Between 0.9995 inches and 1.0000 inches

**Pilot Diameter:**

0.6250 inches

**Overall Length:**

Between 2.9630 inches and 3.0450 inches

**Flange Diameter:**

Between 1.1850 inches and 1.1910 inches

**Flange Thickness:**

Between 0.0900 inches and 0.0960 inches

**Undercut Diameter:**

Between 1.1050 inches and 1.1130 inches

**Undercut Width:**

0.0500 inches

**Shaft Diameter:**

0.1195 inches front shaft and 0.1200 inches front shaft

**Shaft Length:**

0.3950 inches front shaft

**Fragility Factor:**

Moderately rugged

**Body Size:**

12

**Stator Input Voltage Rating In Volts:**

11.8

**Stator Input Current Rating:**

21.0 milliamperes

**Stator Input Electrical Power Rating:**

50.0 milliwatts

**Frequency In Hertz:**

400.0

**Zro Resistance In Ohms:**

625.00

**Zso Resistance In Ohms:**

93.00

**Zrs Resistance In Ohms:**

570.00

**Zss Resistance In Ohms:**

106.00

**Rotor Dc Resistance In Ohms:**

385.00

**Stator Dc Resistance In Ohms:**

60.00

**Phase Shift Angle In Deg:**

4.200 output to input

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

34.00 input

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

53.00

**Electrical Error Angular Range In Minutes:**

-10.0/+10.0

**Actuator Friction Torque At Minus 55 Deg Celsius:**

120.0 centimeter-grams

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

30.0 centimeter-grams

**Shaft Radial Play Test Point:**

0.125 inches

**Shaft Maximum Radial Play:**

0.0050 inches

**Shaft End Play:**

Between 0.0003 inches and 0.0005 inches

**Pilot Length:**

0.0590 mils and 0.0650 centimeters

**Shoulder Length:**

0.0590 mils and 0.0650 centimeters

**Mounting Surface To Terminal End Distance:**

2.3110 inches

**Shaft Maximum Runout:**

0.0010 inches

**Terminal Location:**

Rear

**Plus J Zro Reactance In Ohms:**

3280.00

**Plus J Zso Reactance In Ohms:**

570.00

**Plus J Zrs Reactance In Ohms:**

330.00

**Shaft Type:**

Round both shafts

**Plus J Zss Reactance In Ohms:**

68.00

**Transformation Ratio:**

2.203 rotor to stator

**Shaft Radial Play Determining Weight:**

4.0 ounces

**Shaft End Play Determining Weight:**

16.0 ounces

**Terminal Type And Quantity:**

5 wire lead

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fiig:**

A07800