

View Online at <https://aerobasegroup.com/nsn/5990-00-455-4864>

**Body Material:**

Steel, corrosion resisting

**Body Style:**

Standard round a

**Pilot Diameter:**

Between 0.4995 inches and 0.5000 inches

**Overall Length:**

1.2800 inches

**Flange Diameter:**

Between 0.7450 inches and 0.7550 inches

**Flange Thickness:**

Between 0.0590 inches and 0.0650 inches

**Undercut Diameter:**

Between 0.6880 inches and 0.6910 inches

**Undercut Width:**

Between 0.0590 inches and 0.0650 inches

**Shaft Diameter:**

0.1195 inches single shaft and 0.1200 inches single shaft

**Shaft Length:**

0.6250 inches single shaft

**Schematic Diagram Designator:**

1 rotor, 1 stator

**Body Size:**

8

**Stator Input Voltage Rating In Volts:**

26.0

**Stator Input Current Rating:**

32.0 milliamperes

**Stator Input Electrical Power Rating:**

133.0 milliwatts

**Frequency In Hertz:**

400.0

**Zro Resistance In Ohms:**

Between 178.00 and 242.00

**Zso Resistance In Ohms:**

Between 132.00 and 178.00

**Zrs Resistance In Ohms:**

Between 229.00 and 311.00

**Zss Resistance In Ohms:**

Between 153.00 and 207.00

**Zro Impedance Magnitude In Ohms:**

1420.00

**Zro Impedance Angle In Deg:**

81.64

**Zso Impedance Magnitude In Ohms:**

931.00

**Zso Impedance Angle In Deg:**

80.50

**Zrs Impedance Magnitude In Ohms:**

317.00

**Zrs Impedance Angle In Deg:**

31.40

**Zss Impedance Magnitude In Ohms:**

208.00

**Zss Impedance Angle In Deg:**

30.30

**Rotor Dc Resistance In Ohms:**

Between 119.00 and 163.00

**Stator Dc Resistance In Ohms:**

Between 9.00 and 121.00

**Phase Shift Angle In Deg:**

6.500 input to output

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

0.012 output

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

0.02

**Electrical Error Angular Range In Minutes:**

-12.75/+12.75

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

9.0 centimeter-grams

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

3.0 centimeter-grams

**Shaft Radial Play Test Point:**

0.125 inches

**Shaft Maximum Radial Play:**

0.0008 inches

**Shaft End Play:**

Between 0.0005 inches and 0.0015 inches

**Pilot Length:**

Between 0.0380 inches and 0.0430 inches

**Mounting Surface To Terminal End Distance:**

1.2400 inches

**Shaft Maximum Runout:**

0.0010 inches

**Terminal Location:**

Rear

**Plus J Zro Reactance In Ohms:**

1540.00

**Shaft Slot Depth:**

0.0250 inches single shaft and 0.0350 inches single shaft

**Plus J Zso Reactance In Ohms:**

18.00

**Shaft Slot Width:**

0.0200 inches single shaft and 0.0300 inches single shaft

**Plus J Zrs Reactance In Ohms:**

Between 140.00 and 190.00

**Shaft Type:**

Round, slotted single shaft

**Plus J Zss Reactance In Ohms:**

Between 89.00 and 121.00

**Transformation Ratio:**

Between 1.104 rotor to stator and 1.172 rotor to stator

**Shaft Radial Play Determining Weight:**

4.0 ounces

**Shaft End Play Determining Weight:**

8.0 ounces

**Terminal Type And Quantity:**

4 wire lead

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fiig:**

A07800