

View Online at <https://aerobasegroup.com/nsn/5990-00-101-8318>

**Body Material:**

Steel, corrosion resisting

**Body Style:**

Standard round a

**Pilot Diameter:**

Between 0.4995 inches and 0.5000 inches

**Overall Length:**

Between 1.6430 inches and 1.6680 inches

**Flange Diameter:**

Between 0.7470 inches and 0.7500 inches

**Flange Thickness:**

0.0620 inches

**Undercut Diameter:**

Between 0.6880 inches and 0.6910 inches

**Undercut Width:**

0.0620 inches

**Shaft Diameter:**

0.0895 inches single shaft and 0.0900 inches single shaft

**Shaft Length:**

0.4030 inches single shaft and 0.4280 inches single shaft

**Body Size:**

8

**Stator Input Voltage Rating In Volts:**

11.8

**Stator Input Current Rating:**

108.0 milliamperes

**Stator Input Electrical Power Rating:**

240.0 milliwatts

**Frequency In Hertz:**

400.0

**Zso Impedance Magnitude In Ohms:**

107.50

**Zso Impedance Angle In Deg:**

76.50

**Zrs Impedance Magnitude In Ohms:**

41.50

**Zrs Impedance Angle In Deg:**

17.50

**Phase Shift Angle In Deg:**

Between 8.000 input to output and 11.000 input to output

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

20.00 output

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

30.00

**Electrical Error Angular Range In Minutes:**

-5.0 to 5.0

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

4.03 centimeter-grams

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

2.88 centimeter-grams

**Pilot Length:**

Between 0.0380 inches and 0.0430 inches

**Mounting Surface To Terminal End Distance:**

1.2400 inches

**Terminal Location:**

Rear

**Shaft Slot Depth:**

0.0150 inches single shaft and 0.0250 inches single shaft

**Shaft Slot Width:**

0.0200 inches single shaft and 0.0300 inches single shaft

**Shaft Type:**

Round, slotted single shaft

**Transformation Ratio:**

Between 1.131 rotor to stator and 1.177 rotor to stator

**Terminal Type And Quantity:**

6 wire lead

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fiig:**

A07800