

View Online at <https://aerobasegroup.com/nsn/5990-00-901-8709>

**Body Material:**

Steel, stainless

**Body Style:**

Standard round c

**Shoulder Diameter:**

Between 0.9995 inches and 1.0000 inches

**Pilot Diameter:**

Between 0.4995 inches and 0.5000 inches

**Overall Length:**

2.2256 inches

**Flange Diameter:**

Between 1.0610 inches and 1.0620 inches

**Flange Thickness:**

Between 0.0880 inches and 0.0980 inches

**Undercut Diameter:**

Between 0.9995 inches and 1.0000 inches

**Undercut Width:**

Between 0.0450 inches and 0.0550 inches

**Shaft Diameter:**

0.1195 inches single shaft and 0.1200 inches single shaft

**Shaft Length:**

0.3590 inches single shaft and 0.3910 inches single shaft

**Schematic Diagram Designator:**

Err-090

**Body Size:**

11

**Stator Input Voltage Rating In Volts:**

11.8

**Stator Input Current Rating:**

18.2 milliamperes

**Stator Input Electrical Power Rating:**

30.0 milliwatts

**Frequency In Hertz:**

400.0

**Zro Resistance In Ohms:**

650.00

**Zso Resistance In Ohms:**

90.00

**Zrs Resistance In Ohms:**

605.00

**Rotor Dc Resistance In Ohms:**

365.00

**Stator Dc Resistance In Ohms:**

59.00

**Phase Shift Angle In Deg:**

4.000 input to output

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

30.00 output

**Electrical Error Angular Range In Minutes:**

-7.0/+7.0

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

3.0 centimeter-grams

**Alignment Hole Quantity:**

4

**Shaft Maximum Radial Play:**

0.0005 inches

**Shaft End Play:**

Between 0.0003 inches and 0.0008 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:**

1.8350 inches

**Shaft Maximum Runout:**

0.0010 inches

**Terminal Location:**

Rear

**Plus J Zro Reactance In Ohms:**

3000.00

**Shaft Slot Depth:**

0.0220 inches single shaft and 0.0320 inches single shaft

**Plus J Zso Reactance In Ohms:**

550.00

**Shaft Slot Width:**

0.0220 inches single shaft and 0.0320 inches single shaft

**Plus J Zrs Reactance In Ohms:**

295.00

**Shaft Type:**

Round, slotted single shaft

**Alignment Hole Depth:**

0.0700 inches

**Alignment Hole Bolt Circle Diameter:**

Between 0.8090 inches and 0.8150 inches

**Shaft Radial Play Determining Weight:**

4.0 ounces

**Terminal Type And Quantity:**

5 screw

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fiig:**

A07800