

View Online at <https://aerobasegroup.com/nsn/5990-00-880-8225>

**Body Material:**

Steel, corrosion resisting

**Body Style:**

Standard round a

**Pilot Diameter:**

Between 0.4995 inches and 0.5000 inches

**Overall Length:**

2.0210 inches

**Flange Diameter:**

Between 0.7450 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 both shafts and 0.0900 inches both shafts

**Shaft Length:**

0.3600 inches both shafts and 0.3900 inches both shafts

**Schematic Diagram Designator:**

Err-090

**Body Size:**

8

**Stator Input Voltage Rating In Volts:**

11.8

**Stator Input Current Rating:**

40.0 milliamperes

**Stator Input Electrical Power Rating:**

100.0 milliwatts

**Frequency In Hertz:**

400.0

**Zro Resistance In Ohms:**

470.00

**Zso Resistance In Ohms:**

81.00

**Zrs Resistance In Ohms:**

590.00

**Rotor Dc Resistance In Ohms:**

365.00

**Stator Dc Resistance In Ohms:**

64.00

**Phase Shift Angle In Deg:**

8.500 input to output

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

40.00

**Electrical Error Angular Range In Minutes:**

-15.0/+15.0

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

9.00 centimeter-grams

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

3.00 centimeter-grams

**Pilot Length:**

0.0430 inches

**Mounting Surface To Terminal End Distance:**

1.2410 inches

**Cubic Measure:**

0.219 cubic inches

**Terminal Location:**

Rear

**Plus J Zro Reactance In Ohms:**

1770.00

**Shaft Slot Depth:**

0.0470 inches both shafts

**Plus J Zso Reactance In Ohms:**

330.00

**Shaft Slot Width:**

0.0200 inches both shafts

**Plus J Zrs Reactance In Ohms:**

190.00

**Shaft Type:**

Round, slotted both shafts

**Terminal Type And Quantity:**

5 wire lead

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fig:**

A07800