

View Online at <https://aerobasegroup.com/nsn/5990-01-138-7324>

**Body Material:**

Steel, stainless

**Body Style:**

Standard round c

**Shoulder Diameter:**

1.0000 inches

**Pilot Diameter:**

0.6250 inches

**Overall Length:**

2.7410 inches

**Flange Diameter:**

1.0620 inches

**Flange Thickness:**

0.0930 inches

**Undercut Diameter:**

0.9750 inches

**Undercut Width:**

0.0500 inches

**Shaft Diameter:**

0.1200 inches both shafts

**Shaft Length:**

0.5000 inches front shaft

**Schematic Diagram Designator:**

Err-090

**Fragility Factor:**

Moderately rugged

**End Application:**

An/fps-85

**Maximum Temperature Rise:**

15.0 degrees celsius

**Body Size:**

11

**Rotor Input Voltage Rating In Volts:**

26.0

**Frequency In Hertz:**

400.0

**Rotor Input Current Rating:**

280.0 milliamperes

**Rotor Input Electrical Power Rating:**

950.0 allqjaa3.500 finished-chamfered

**Zro Impedance Magnitude In Ohms:**

107.00

**Zro Impedance Angle In Deg:**

81.70

**Zso Impedance Magnitude In Ohms:**

18.10

**Zso Impedance Angle In Deg:**

79.50

**Rotor Dc Resistance In Ohms:**

9.00

**Stator Dc Resistance In Ohms:**

3.00

**Phase Shift Angle In Deg:**

5.000 input to output

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

17.00 output

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

26.00

**Electrical Error Angular Range In Minutes:**

-10.0/+10.0

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

16.0 centimeter-grams

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

4.0 centimeter-grams

**Shaft Radial Play Test Point:**

0.125 inches

**Shaft Maximum Radial Play:**

0.0005 inches

**Shaft End Play:**

Between 0.0005 inches and 0.0015 inches

**Pilot Length:**

0.0620 inches

**Shoulder Length:**

0.0620 inches

**Mounting Surface To Terminal End Distance:**

1.7680 inches

**Shaft Maximum Runout:**

0.0010 inches

**Terminal Location:**

Rear

**Shaft Slot Depth:**

0.0300 inches both shafts

**Shaft Slot Width:**

0.0250 inches both shafts

**Shaft Type:**

Round, slotted both shafts

**Transformation Ratio:**

0.454 stator to rotor

**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

**Fig:**

A07800