

View Online at <https://aerobasegroup.com/nsn/5990-00-959-2378>

**Body Material:**

Steel, corrosion resisting

**Body Style:**

Standard round c

**Shoulder Diameter:**

1.0000 inches

**Pilot Diameter:**

0.6250 inches

**Overall Length:**

2.1540 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 single shaft

**Shaft Length:**

0.3120 inches single shaft

**Schematic Diagram Designator:**

Err-090

**Fragility Factor:**

Moderately rugged

**Body Size:**

11

**Stator Input Voltage Rating In Volts:**

90.0

**Stator Input Current Rating:**

60.0 milliamperes

**Stator Input Electrical Power Rating:**

700.0 milliwatts

**Frequency In Hertz:**

400.0

**Zro Impedance Magnitude In Ohms:**

1990.00

**Zro Impedance Angle In Deg:**

77.30

**Zso Impedance Magnitude In Ohms:**

1640.00

**Zso Impedance Angle In Deg:**

80.70

**Rotor Dc Resistance In Ohms:**

350.00

**Stator Dc Resistance In Ohms:**

195.00

**Phase Shift Angle In Deg:**

6.000 output to input

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

60.00 output

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

100.00

**Electrical Error Angular Range In Minutes:**

-5.0/+5.0

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

4.0 centimeter-grams

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

16.0 centimeter-grams

**Shaft Maximum Radial Play:**

0.0005 inches

**Shaft End Play:**

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:**

0.0008 inches

**Terminal Location:**

Rear

**Shaft Slot Depth:**

0.0300 inches single shaft

**Shaft Slot Width:**

0.0250 inches single shaft

**Shaft Type:**

Round, slotted single shaft

**Transformation Ratio:**

1.154 stator to rotor

**Shaft Radial Play Determining Weight:**

4.0 ounces

**Shaft End Play Determining Weight:**

8.0 ounces

**Terminal Type And Quantity:**

6 wire lead

**Shelf Life:**

N/a

**Unit Of Measure:**

--

**Demilitarization:**

No

**Fig:**

A07800