

View Online at <https://aerobasegroup.com/nsn/5990-00-879-8010>

**Body Material:**

Aluminum

**Body Style:**

Standard round a

**Pilot Diameter:**

0.5000 inches

**Overall Length:**

1.4330 inches

**Flange Diameter:**

0.7500 inches

**Flange Thickness:**

0.0620 inches

**Undercut Diameter:**

0.6910 inches

**Undercut Width:**

0.0620 inches

**Shaft Diameter:**

0.1200 inches front shaft

**Shaft Length:**

0.3125 inches front shaft

**Schematic Diagram Designator:**

Err-090

**Fragility Factor:**

Moderately rugged

**Body Size:**

8

**Stator Input Voltage Rating In Volts:**

11.8

**Stator Input Current Rating:**

132.0 amperes

**Stator Input Electrical Power Rating:**

350.0 milliwatts

**Frequency In Hertz:**

400.0

**Zro Resistance In Ohms:**

38.00

**Zso Resistance In Ohms:**

22.00

**Rotor Dc Resistance In Ohms:**

40.00

**Stator Dc Resistance In Ohms:**

25.00

**Phase Shift Angle In Deg:**

Between 10.500 input to output and 13.500 input to output

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

20.00 output

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

25.00

**Electrical Error Angular Range In Minutes:**

-7.0/+7.0

**Receiver Error Angular Range In Minutes:**

-7.0/+7.0

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

0.08 inch-ounces

**Torque Gradient Per Angular Deg:**

2400.0 millimeter-milligrams

**Shaft Radial Play Test Point:**

0.125 inches

**Shaft Maximum Radial Play:**

0.0008 inches

**Shaft End Play:**

0.0015 inches

**Pilot Length:**

0.0400 inches

**Mounting Surface To Terminal End Distance:**

1.2410 inches

**Shaft Maximum Runout:**

0.0010 inches

**Terminal Location:**

Rear

**Plus J Zro Reactance In Ohms:**

95.00

**Shaft Slot Depth:**

0.0320 inches front shaft

**Plus J Zso Reactance In Ohms:**

75.00

**Shaft Slot Width:**

0.0300 inches front shaft

**Shaft Type:**

Round, slotted front shaft

**Shaft Radial Play Determining Weight:**

4.0 ounces

**Shaft End Play Determining Weight:**

8.0 ounces

**Special Features:**

Transparent rear end cap

**Terminal Type And Quantity:**

6 wire lead

**Shelf Life:**

N/a

**Unit Of Measure:**

--

**Demilitarization:**

No

**Fig:**

A07800