

View Online at <https://aerobasegroup.com/nsn/5990-01-093-8328>

**Body Material:**

Steel, corrosion resisting

**Body Style:**

Standard round d

**Shoulder Diameter:**

2.7000 inches

**Pilot Diameter:**

0.5950 inches

**Second Shoulder Diameter:**

2.7500 inches

**Second Shoulder Length:**

0.3750 inches

**Overall Length:**

5.1150 inches

**Flange Diameter:**

3.1000 inches

**Flange Thickness:**

0.2500 inches

**Body Diameter:**

2.7000 inches

**Shaft Diameter:**

0.2405 inches single shaft

**Shaft Length:**

0.7000 inches single shaft

**Schematic Diagram Designator:**

Err-090

**Fragility Factor:**

Moderately rugged

**Maximum Temperature Rise:**

20.0 degrees celsius

**Body Size:**

31

**Rotor Input Voltage Rating In Volts:**

115.0

**Frequency In Hertz:**

400.0

**Rotor Input Current Rating:**

950.0 milliamperes

**Rotor Input Electrical Power Rating:**

8.3 watts

**Zro Impedance Magnitude In Ohms:**

Between 121.00 and 166.00

**Zro Impedance Angle In Deg:**

Between 82.00 and 87.00

**Zss Impedance Magnitude In Ohms:**

Between 3.40 and 5.90

**Zss Impedance Angle In Deg:**

Between 51.00 and 72.00

**Phase Shift Angle In Deg:**

1.500 input to output

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

35.00 input

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

100.00

**Electrical Error Angular Range In Minutes:**

-8.0/+8.0

**Spline Tooth Quantity:**

22 single shaft

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

0.50 inch-ounces

**Shaft Radial Play Test Point:**

0.125 inches

**Shaft Maximum Radial Play:**

0.0008 inches

**Shaft End Play:**

0.0030 inches

**Pilot Length:**

0.0300 inches

**Shoulder Length:**

0.3750 inches

**Aft Of First Flange Diameter:**

2.7500 inches

**Mounting Surface To Terminal End Distance:**

3.3800 inches

**Spline Tooth Diametral Pitch:**

96 single shaft

**Shaft Maximum Runout:**

0.0008 inches

**Shaft Thread Series Designator:**

Unf single shaft

**Shaft Thread Direction:**

Right-hand single shaft

**Shaft Thread Class:**

2a single shaft

**Terminal Location:**

Rear

**Shaft Thread Length:**

0.3200 inches single shaft

**Shaft Type:**

Spline w/threads single shaft

**Transformation Ratio:**

0.783 rotor to stator

**Shaft Thread Size:**

0.250 inches single shaft

**Shaft Radial Play Determining Weight:**

16.0 ounces

**Shaft End Play Determining Weight:**

16.0 ounces

**Terminal Type And Quantity:**

5 screw

**Shelf Life:**

N/a

**Unit Of Measure:**

--

**Demilitarization:**

No

**Fig:**

A07800