

View Online at <https://aerobasegroup.com/nsn/5990-01-114-5095>

**Body Material:**

Steel, corrosion resisting

**Body Style:**

Standard round d

**Shoulder Diameter:**

1.9900 inches

**Pilot Diameter:**

0.5950 inches

**Second Shoulder Diameter:**

1.9995 inches

**Second Shoulder Length:**

0.1700 inches

**Overall Length:**

4.2140 inches

**Flange Diameter:**

2.2500 inches

**Flange Thickness:**

0.2500 inches

**Body Diameter:**

1.9900 centimeters

**Shaft Diameter:**

0.2405 inches single shaft

**Shaft Length:**

0.6760 inches single shaft

**Schematic Diagram Designator:**

Err-090

**Fragility Factor:**

Moderately rugged

**End Application:**

05g0073-001

**Maximum Temperature Rise:**

35.0 degrees celsius

**Body Size:**

23

**Rotor Input Voltage Rating In Volts:**

115.0

**Frequency In Hertz:**

60.0

**Rotor Input Current Rating:**

210.0 milliamperes

**Rotor Input Electrical Power Rating:**

5.6 watts finished-chamfered

**Zss Impedance Magnitude In Ohms:**

127.50

**Zss Impedance Angle In Deg:**

13.50

**Rotor Dc Resistance In Ohms:**

95.00

**Stator Dc Resistance In Ohms:**

106.00

**Phase Shift Angle In Deg:**

11.000 input to output

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

60.00 output

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

160.00

**Electrical Error Angular Range In Minutes:**

-8.0/+8.0

**Spline Tooth Quantity:**

22 single shaft

**Receiver Error Angular Range In Minutes:**

-45.0/+45.0

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

0.20 inch-ounces

**Torque Gradient Per Angular Deg:**

0.120 inch-ounces

**Shaft Radial Play Test Point:**

0.125 inches

**Shaft Maximum Radial Play:**

0.0010 inches

**Shaft End Play:**

Between 0.0005 inches and 0.0045 inches

**Pilot Length:**

0.0430 inches

**Shoulder Length:**

0.1070 inches

**Aft Of First Flange Diameter:**

1.9995 inches

**Mounting Surface To Terminal End Distance:**

3.5850 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:**

0.3000 inches single shaft

**Shaft Type:**

Spline w/threads single shaft

**Transformation Ratio:**

0.783 stator to rotor

**Shaft Thread Size:**

0.250 inches single shaft

**Shaft Radial Play Determining Weight:**

8.0 ounces

**Shaft End Play Determining Weight:**

16.0 ounces

**Terminal Type And Quantity:**

7 screw

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fig:**

A07800