

View Online at <https://aerobasegroup.com/nsn/5990-01-025-7464>

**Body Material:**

Steel, corrosion resisting

**Body Style:**

Standard round a

**Pilot Diameter:**

Between 1.8740 inches and 1.8750 inches

**Overall Length:**

1.6530 inches

**Flange Diameter:**

Between 1.9950 inches and 2.0050 inches

**Flange Thickness:**

Between 0.0880 inches and 0.0980 inches

**Undercut Diameter:**

1.8750 inches

**Undercut Width:**

0.0730 inches

**Shaft Diameter:**

0.0895 inches single shaft and 0.0900 inches single shaft

**Shaft Length:**

0.4100 inches single shaft and 0.4400 inches single shaft

**Schematic Diagram Designator:**

Err-090

**Fragility Factor:**

Moderately rugged

**Maximum Temperature Rise:**

10.0 degrees celsius

**Body Size:**

20

**Stator Input Voltage Rating In Volts:**

20.0

**Stator Input Current Rating:**

30.0 milliamperes

**Frequency In Hertz:**

400.0

**Zro Impedance Magnitude In Ohms:**

500.00

**Zso Impedance Magnitude In Ohms:**

500000.00

**Zso Impedance Angle In Deg:**

35.00

**Transformation Ratio Equality In Percent:**

0.1

**Compensation Method:**

Winding compensated

**Phase Shift Angle In Deg:**

0.100 input to output

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

20.00 input

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

25.00

**Interaxis Error Angular Range In Minutes:**

-3.0/+3.0

**Output Voltage Functional Error Range In Percent:**

-0.1/+0.1

**Electrical Error Angular Range In Minutes:**

-3.0/+3.0

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

30.0 centimeter-grams

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

15.0 centimeter-grams

**Shaft Radial Play Test Point:**

0.250 inches

**Shaft Maximum Radial Play:**

0.0008 inches

**Shaft End Play:**

Between 0.0005 inches and 0.0015 inches

**Terminal Designator And Schematic Position:**

Connection r1 position h and connection r2 position g and connection r3 position e and connection r4 position j and connection s1 position l and connection s2 position m and connection s3 position k and connection s4 position n and connection c1 position d and connection c2 position c and connection c3 position a and connection c4 position b

**Pilot Length:**

0.0380 mils and 0.0480 centimeters

**Mounting Surface To Terminal End Distance:**

1.1650 inches

**Shaft Maximum Runout:**

0.0010 inches

**Terminal Location:**

Side

**Shaft Type:**

Round single shaft

**Transformation Ratio:**

1.000 rotor to stator

**Shaft Radial Play Determining Weight:**

4.0 ounces

**Shaft End Play Determining Weight:**

8.0 ounces

**Terminal Type And Quantity:**

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fiig:**

A07800