

View Online at <https://aerobasegroup.com/nsn/5990-00-819-5617>

**Body Material:**

Aluminum

**Body Style:**

Standard round a

**Pilot Diameter:**

0.5000 inches

**Overall Length:**

1.7620 inches

**Flange Diameter:**

0.7500 inches

**Flange Thickness:**

0.0620 inches

**Undercut Diameter:**

0.6910 inches

**Undercut Width:**

0.0620 inches

**Shaft Diameter:**

0.0900 inches single shaft

**Shaft Length:**

0.3320 inches single shaft

**Schematic Diagram Designator:**

Err-090

**Fragility Factor:**

Moderately rugged

**Maximum Temperature Rise:**

20.0 degrees celsius

**Body Size:**

8

**Stator Input Voltage Rating In Volts:**

15.0

**Stator Input Current Rating:**

18.2 milliamperes

**Stator Input Electrical Power Rating:**

58.0 milliwatts

**Rotor Input Voltage Rating In Volts:**

15.0

**Frequency In Hertz:**

400.0

**Rotor Input Current Rating:**

22.0 milliamperes

**Rotor Input Electrical Power Rating:**

110.0 allqjaa3.500 finished-chamfered

**Zro Resistance In Ohms:**

230.00

**Zso Resistance In Ohms:**

176.00

**Zrs Resistance In Ohms:**

330.00

**Rotor Dc Resistance In Ohms:**

220.00

**Stator Dc Resistance In Ohms:**

158.00

**Transformation Ratio Equality In Percent:**

0.5

**Phase Shift Angle In Deg:**

11.000 output to input

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

22.00 input

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

30.00

**Interaxis Error Angular Range In Minutes:**

-5.0/+5.0

**Electrical Error Angular Range In Minutes:**

-7.0/+7.0

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

9.0 centimeter-grams

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

3.0 centimeter-grams

**Shaft Radial Play Test Point:**

0.125 inches

**Shaft Maximum Radial Play:**

0.0008 inches

**Shaft End Play:**

0.0015 inches

**Terminal Designator And Schematic Position:**

Connection r1 position b and connection r2 position c and connection r3 position a and connection r4 position d and connection s1 position h and connection s2 position e and connection s3 position g and connection s3 position f

**Pilot Length:**

0.0430 inches

**Mounting Surface To Terminal End Distance:**

1.4160 inches

**Shaft Maximum Runout:**

0.0010 inches

**Terminal Location:**

Rear

**Plus J Zro Reactance In Ohms:**

640.00

**Shaft Slot Depth:**

0.0310 inches single shaft

**Plus J Zso Reactance In Ohms:**

806.00

**Shaft Slot Width:**

0.0310 inches single shaft

**Plus J Zrs Reactance In Ohms:**

71.00

**Shaft Type:**

Round, slotted single shaft

**Shaft Radial Play Determining Weight:**

4.0 ounces

**Shaft End Play Determining Weight:**

8.0 ounces

**Terminal Type And Quantity:**

8 wire lead

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fiig:**

A07800