

View Online at <https://aerobasegroup.com/nsn/5990-00-059-2616>

**Body Material:**

Aluminum

**Body Style:**

Standard round c

**Shoulder Diameter:**

Between 0.8118 inches and 0.8123 inches

**Pilot Diameter:**

Between 0.4995 inches and 0.5000 inches

**Overall Length:**

2.2700 inches

**Flange Diameter:**

Between 0.9360 inches and 0.9370 inches

**Flange Thickness:**

0.0620 inches

**Undercut Diameter:**

Between 0.8370 inches and 0.8400 inches

**Undercut Width:**

0.0620 inches

**Shaft Diameter:**

0.0895 inches rear shaft and 0.0900 inches rear shaft

**Shaft Length:**

0.5620 inches front shaft

**Fragility Factor:**

Moderately rugged

**Maximum Temperature Rise:**

5.0 degrees celsius

**Body Size:**

10

**Stator Input Voltage Rating In Volts:**

11.8

**Stator Input Current Rating:**

100.0 milliamperes

**Stator Input Electrical Power Rating:**

320.0 milliwatts

**Rotor Input Voltage Rating In Volts:**

26.0

**Frequency In Hertz:**

400.0

**Rotor Input Current Rating:**

58.0 milliamperes

**Rotor Input Electrical Power Rating:**

420.0 milliwatts

**Zro Resistance In Ohms:**

122.00

**Zrs Resistance In Ohms:**

156.00

**Zss Resistance In Ohms:**

41.00

**Zso-9 Designator Resistance In Ohms:**

32.00

**Rotor Dc Resistance In Ohms:**

86.00

**Stator Dc Resistance In Ohms:**

22.00

**Phase Shift Angle In Deg:**

11.000 input to output

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

70.00

**Electrical Error Angular Range In Minutes:**

-10.0 to 10.0

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

15.00 centimeter-grams

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

5.00 centimeter-grams

**Alignment Hole Quantity:**

3

**Pilot Length:**

0.0380 inches

**Shoulder Length:**

0.0630 inches

**Mounting Surface To Terminal End Distance:**

1.2460 inches

**Terminal Location:**

Rear

**Plus J Zro Reactance In Ohms:**

430.00

**Shaft Slot Depth:**

0.0260 inches front shaft

**Shaft Slot Width:**

0.0250 inches front shaft

**Plus J Zrs Reactance In Ohms:**

74.00

**Shaft Type:**

Round, slotted front shaft

**Plus J Zss Reactance In Ohms:**

21.00

**Alignment Hole Bolt Circle Diameter:**

0.6780 inches

**Plus J Zso-9 Designator Reactance In Ohms:**

114.00

**Terminal Type And Quantity:**

7 wire lead

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fiig:**

A07800