

View Online at <https://aerobasegroup.com/nsn/5990-01-027-5433>

**Body Material:**

Steel, corrosion resisting

**Body Style:**

Standard round c

**Shoulder Diameter:**

Between 0.9995 inches and 1.0000 inches

**Pilot Diameter:**

0.7500 inches

**Overall Length:**

Between 2.6130 inches and 2.6370 inches

**Flange Diameter:**

Between 1.0570 inches and 1.0600 inches

**Flange Thickness:**

Between 0.0900 inches and 0.0960 inches

**Undercut Diameter:**

Between 0.9995 inches and 1.0000 inches

**Undercut Width:**

0.0450 inches

**Shaft Diameter:**

0.1195 inches single shaft and 0.1200 inches single shaft

**Shaft Length:**

0.3200 inches single shaft and 0.3260 inches single shaft

**Maximum Temperature Rise:**

2.0 degrees celsius

**Body Size:**

11

**Stator Input Voltage Rating In Volts:**

90.0

**Stator Input Current Rating:**

18.0 milliamperes

**Stator Input Electrical Power Rating:**

166.0 milliwatts

**Frequency In Hertz:**

400.0

**Zro Resistance In Ohms:**

625.00

**Zso Resistance In Ohms:**

875.00

**Zrs Resistance In Ohms:**

625.00

**Rotor Dc Resistance In Ohms:**

Between 327.25 and 442.75

**Stator Dc Resistance In Ohms:**

Between 471.75 and 635.25

**Phase Shift Angle In Deg:**

4.500 input to output

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

59.00 output

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

94.00

**Electrical Error Angular Range In Minutes:**

-6.0/+6.0

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

16.0 centimeter-grams

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

4.0 centimeter-grams

**Pilot Length:**

0.0650 inches

**Shoulder Length:**

Between 0.0590 inches and 0.0650 inches

**Mounting Surface To Terminal End Distance:**

1.8120 inches

**Terminal Location:**

Rear

**Plus J Zro Reactance In Ohms:**

3280.00

**Shaft Slot Depth:**

0.0350 inches single shaft

**Plus J Zso Reactance In Ohms:**

5400.00

**Shaft Slot Width:**

0.0300 inches single shaft

**Plus J Zrs Reactance In Ohms:**

352.00

**Shaft Type:**

Round, slotted single shaft

**Transformation Ratio:**

Between 0.706 rotor to stator and 0.764 rotor to stator

**Terminal Type And Quantity:**

5 wire lead

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fig:**

A07800