

View Online at <https://aerobasegroup.com/nsn/5990-00-778-9883>

**Body Material:**

Any acceptable

**Body Style:**

Standard round c

**Shoulder Diameter:**

Between 0.9995 inches and 1.0000 inches

**Pilot Diameter:**

Between 0.6245 inches and 0.6250 inches

**Overall Length:**

Between 0.2317 inches and 0.2341 inches

**Flange Diameter:**

Between 1.0570 inches and 1.0650 inches

**Flange Thickness:**

Between 0.0900 inches and 0.0960 inches

**Undercut Diameter:**

Between 0.9700 inches and 0.9800 inches

**Undercut Width:**

Between 0.0450 inches and 0.0550 inches

**Shaft Diameter:**

0.1195 inches single shaft and 0.1200 inches single shaft

**Shaft Length:**

0.5590 inches single shaft and 0.5650 inches single shaft

**Maximum Temperature Rise:**

15.0 degrees celsius

**Body Size:**

11

**Rotor Input Voltage Rating In Volts:**

115.0

**Frequency In Hertz:**

400.0

**Rotor Input Current Rating:**

60.0 milliamperes

**Rotor Input Electrical Power Rating:**

800.0 milliwatts

**Zro Resistance In Ohms:**

295.00

**Zso Resistance In Ohms:**

171.00

**Zrs Resistance In Ohms:**

356.00

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

113.00

**Zro Impedance Magnitude In Ohms:**

2210.00

**Zro Impedance Angle In Deg:**

82.30

**Zso Impedance Magnitude In Ohms:**

1130.00

**Zso Impedance Angle In Deg:**

81.30

**Zrs Impedance Magnitude In Ohms:**

395.00

**Zrs Impedance Angle In Deg:**

25.80

**Zso-9 Designator Impedance Magnitude In Ohms:**

354.00

**Zso-9 Designator Impedance Angle In Deg:**

71.30

**Rotor Dc Resistance In Ohms:**

Between 135.15 and 182.85

**Stator Dc Resistance In Ohms:**

Between 116.45 and 157.55

**Electrical Error Angular Range In Minutes:**

-30.0/+30.0

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

3.0 centimeter-grams

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

0.3 centimeter-grams

**Torque Gradient Per Angular Deg:**

5700.0 millimeter-milligrams

**Pilot Length:**

Between 0.0590 inches and 0.0650 inches

**Shoulder Length:**

Between 0.0590 inches and 0.0650 inches

**Mounting Surface To Terminal End Distance:**

Between 1.7620 inches and 1.7680 inches

**Terminal Location:**

Rear

**Plus J Zro Reactance In Ohms:**

2190.00

**Shaft Slot Depth:**

0.0300 inches single shaft

**Plus J Zso Reactance In Ohms:**

1120.00

**Shaft Slot Width:**

0.0250 inches single shaft

**Plus J Zrs Reactance In Ohms:**

172.00

**Shaft Type:**

Round, slotted single shaft

**Transformation Ratio:**

Between 0.752 rotor to stator and 0.814 rotor to stator

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

335.00

**Terminal Type And Quantity:**

5 wire lead

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli

**Fig:**

A07800