

View Online at <https://aerobasegroup.com/nsn/5990-00-538-3458>

**Body Material:**

Steel, corrosion resisting

**Body Style:**

Standard round c

**Shoulder Diameter:**

Between 0.9995 inches and 1.0000 inches

**Pilot Diameter:**

Between 0.4995 inches and 0.5000 inches

**Overall Length:**

2.3210 inches

**Flange Diameter:**

Between 1.0570 inches and 1.0620 inches

**Flange Thickness:**

0.0620 inches

**Undercut Diameter:**

0.9620 inches

**Undercut Width:**

0.0620 inches

**Shaft Diameter:**

0.1195 inches single shaft and 0.1200 inches single shaft

**Shaft Length:**

0.5200 inches single shaft

**Fragility Factor:**

Moderately rugged

**Maximum Temperature Rise:**

3.0 degrees celsius

**Body Size:**

11

**Stator Input Voltage Rating In Volts:**

3.2

**Stator Input Current Rating:**

590.0 milliamperes

**Stator Input Electrical Power Rating:**

680.0 milliwatts

**Rotor Input Voltage Rating In Volts:**

26.0

**Frequency In Hertz:**

400.0

**Rotor Input Current Rating:**

90.0 milliamperes

**Rotor Input Electrical Power Rating:**

500.0 milliwatts

**Zro Impedance Magnitude In Ohms:**

292.00

**Zro Impedance Angle In Deg:**

79.00

**Zso Impedance Magnitude In Ohms:**

3.15

**Zso Impedance Angle In Deg:**

47.00

**Zrs Impedance Magnitude In Ohms:**

3.15

**Zrs Impedance Angle In Deg:**

47.00

**Zss Impedance Magnitude In Ohms:**

292.00

**Zss Impedance Angle In Deg:**

79.00

**Rotor Dc Resistance In Ohms:**

28.50

**Stator Dc Resistance In Ohms:**

1.13

**Phase Shift Angle In Deg:**

12.500 input to output

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

10.00

**Electrical Error Angular Range In Minutes:**

-20.0/+20.0

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

6.00 centimeter-grams

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

3.00 centimeter-grams

**Pilot Length:**

0.0620 inches

**Shoulder Length:**

0.0620 inches

**Mounting Surface To Terminal End Distance:**

1.8110 inches

**Terminal Location:**

Rear

**Shaft Slot Depth:**

0.0300 inches single shaft

**Shaft Slot Width:**

0.0250 inches single shaft

**Shaft Type:**

Round, slotted single shaft

**Transformation Ratio:**

6.875 rotor to stator

**Terminal Type And Quantity:**

6 wire lead

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fiig:**

A07800