

View Online at <https://aerobasegroup.com/nsn/5990-00-010-1413>

**Body Material:**

Steel, stainless

**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 1.9800 inches and 2.0100 inches

**Flange Diameter:**

Between 1.0590 inches and 1.0620 inches

**Flange Thickness:**

Between 0.0900 inches and 0.0960 inches

**Undercut Diameter:**

0.9750 inches

**Undercut Width:**

0.0500 inches

**Shaft Diameter:**

0.0800 inches single shaft and 0.0810 inches single shaft

**Shaft Length:**

0.3600 inches single shaft and 0.3900 inches single shaft

**Shaft Undercut Width:**

0.0300 inches single shaft

**Fragility Factor:**

Moderately rugged

**Body Size:**

11

**Rotor Input Voltage Rating In Volts:**

26.0

**Frequency In Hertz:**

400.0

**Rotor Input Current Rating:**

120.0 milliamperes

**Rotor Input Electrical Power Rating:**

600.0 milliwatts

**Zro Resistance In Ohms:**

44.00

**Zso Resistance In Ohms:**

57.00

**Rotor Dc Resistance In Ohms:**

18.00

**Stator Dc Resistance In Ohms:**

9.30

**Phase Shift Angle In Deg:**

4.000 input to output

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

25.00

**Electrical Error Angular Range In Minutes:**

-15.0/+15.0

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

1.8 centimeter-grams

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

0.6 centimeter-grams

**Torque Gradient Per Angular Deg:**

2000.0 millimeter-milligrams

**Alignment Hole Quantity:**

4

**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:**

1.6200 inches

**Shaft Thread Series Designator:**

Unf single shaft

**Shaft Thread Direction:**

Right-hand single shaft

**Shaft Thread Class:**

3a single shaft

**Terminal Location:**

Rear

**Plus J Zro Reactance In Ohms:**

243.00

**Plus J Zso Reactance In Ohms:**

28.00

**Shaft Tapered End Minor Diameter:**

0.0780 inches single shaft

**Shaft Type:**

Round, tapered, threaded, undercut single shaft

**Alignment Hole Depth:**

0.0900 inches

**Transformation Ratio:**

0.454 rotor to stator

**Shaft Taper Angle In Deg:**

3.0 single shaft

**Shaft Tip Length:**

0.0650 inches single shaft

**Alignment Hole Bolt Circle Diameter:**

Between 0.8090 inches and 0.8150 inches

**Shaft Taper Length:**

0.1370 inches single shaft

**Shaft Thread Size:**

0.060 inches single shaft

**Shaft Undercut Diameter:**

0.0440 inches single shaft and 0.0460 inches single shaft

**Terminal Type And Quantity:**

5 wire lead

**Shelf Life:**

N/a

**Unit Of Measure:**

--

**Demilitarization:**

No

**Fiig:**

A07800