

View Online at <https://aerobasegroup.com/nsn/5990-01-017-8280>

**Body Material:**

Any acceptable

**Body Style:**

Standard round b

**Shoulder Diameter:**

Between 1.3115 inches and 1.3120 inches

**Pilot Diameter:**

Between 0.8745 inches and 0.8750 inches

**Overall Length:**

2.9356 inches

**Flange Diameter:**

Between 1.4320 inches and 1.4370 inches

**Flange Thickness:**

0.0930 inches

**Undercut Width:**

0.0780 inches

**Shaft Diameter:**

0.1870 inches single shaft and 0.1872 inches single shaft

**Shaft Length:**

0.5400 inches single shaft

**Connector Manufacturer Code:**

05209

**Connector Manufacturer Part Number:**

5704

**Maximum Temperature Rise:**

20.0 degrees celsius

**Body Size:**

2

**Rotor Input Voltage Rating In Volts:**

115.0

**Frequency In Hertz:**

400.0

**Rotor Input Current Rating:**

85.0 milliamperes

**Rotor Input Electrical Power Rating:**

1.0 watts

**Zro Resistance In Ohms:**

Between 1402.00 and 1643.00

**Zro Impedance Angle In Deg:**

Between 81.40 and 84.60

**Zss Impedance Magnitude In Ohms:**

Between 123.00 and 138.00

**Zss Impedance Angle In Deg:**

Between 26.50 and 31.50

**Phase Shift Angle In Deg:**

Between 4.000 input to output and 5.500 input to output

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

32.00 output

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

60.00

**Electrical Error Angular Range In Minutes:**

-6.0/+6.0

**Spline Tooth Quantity:**

21 single shaft

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

0.05 inch-ounces

**Alignment Hole Quantity:**

4

**Pilot Length:**

0.0400 inches

**Shoulder Length:**

0.1320 inches

**Mounting Surface To Terminal End Distance:**

2.2686 inches

**Spline Tooth Diametral Pitch:**

120 single shaft

**Shaft Thread Series Designator:**

Unf single shaft

**Shaft Thread Class:**

2a single shaft

**Terminal Location:**

Rear

**Shaft Thread Length:**

0.2320 inches single shaft

**Shaft Type:**

Spline w/threads single shaft

**Alignment Hole Depth:**

0.1250 inches

**Transformation Ratio:**

Between 0.783 rotor to stator and 2.785 rotor to stator

**Alignment Hole Bolt Circle Diameter:**

1.1000 inches

**Shaft Thread Size:**

0.190 inches single shaft

**Terminal Type And Quantity:**

1 wire lead

**Shelf Life:**

N/a

**Unit Of Measure:**

--

**Demilitarization:**

No

**Fiig:**

A07800