

View Online at <https://aerobasegroup.com/nsn/5990-01-189-3201>

**Body Material:**

Steel, corrosion resisting

**Body Style:**

Standard round b

**Shoulder Diameter:**

1.0000 inches

**Pilot Diameter:**

0.6250 inches

**Overall Length:**

2.4180 inches

**Flange Diameter:**

1.0620 inches

**Flange Thickness:**

0.0930 inches

**Undercut Width:**

0.0620 inches

**Shaft Diameter:**

0.1200 inches single shaft

**Shaft Length:**

0.5620 inches single shaft

**Maximum Temperature Rise:**

20.0 degrees celsius

**Body Size:**

11

**Rotor Input Voltage Rating In Volts:**

26.0

**Frequency In Hertz:**

400.0

**Rotor Input Current Rating:**

130.0 milliamperes

**Rotor Input Electrical Power Rating:**

340.0 milliwatts

**Zro Impedance Magnitude In Ohms:**

Between 200.00 and 300.00

**Zro Impedance Angle In Deg:**

Between 80.50 and 84.00

**Zss Impedance Magnitude In Ohms:**

Between 6.00 and 12.00

**Zss Impedance Angle In Deg:**

Between 18.00 and 30.00

**Phase Shift Angle In Deg:**

4.000 input to output

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

12.00 output

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

19.00

**Electrical Error Angular Range In Minutes:**

-7.0/+7.0

**Spline Tooth Quantity:**

21 single shaft

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

0.07 inch-ounces

**Shaft Maximum Radial Play:**

0.0006 inches

**Shaft End Play:**

0.0100 inches

**Pilot Length:**

0.0620 inches

**Shoulder Length:**

0.0620 inches

**Mounting Surface To Terminal End Distance:**

1.7940 inches

**Spline Tooth Diametral Pitch:**

120 single shaft

**Shaft Thread Series Designator:**

Unf single shaft

**Shaft Thread Direction:**

Right-hand single shaft

**Shaft Thread Class:**

2a single shaft

**Terminal Location:**

Rear

**Shaft Thread Length:**

0.2530 inches single shaft

**Shaft Type:**

Spline w/threads single shaft

**Transformation Ratio:**

0.454 rotor to stator

**Shaft Thread Size:**

0.190 inches single shaft

**Shaft Radial Play Determining Weight:**

8.0 ounces

**Shaft End Play Determining Weight:**

1.0 ounces

**Test Data Document:**

81349-mil-s-20708 specification (includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain

**Terminal Type And Quantity:**

5 screw

**Specification Data:**

81349-mil-s-20708/8 government specification

**Shelf Life:**

N/a

**Unit Of Measure:**

--

**Demilitarization:**

No

**Fig:**

A07800