

View Online at <https://aerobasegroup.com/nsn/5990-00-852-2369>

**Body Material:**

Steel, stainless

**Body Style:**

Standard round double flange a

**Shoulder Diameter:**

Between 3.3290 inches and 3.3340 inches

**Pilot Diameter:**

1.6250 inches

**Second Shoulder Diameter:**

Between 3.3740 inches and 3.3750 inches

**Second Shoulder Length:**

0.3750 inches

**Overall Length:**

5.9500 inches

**Flange Diameter:**

Between 3.6240 inches and 3.6250 inches

**Flange Thickness:**

0.2500 inches

**Body Diameter:**

Between 3.3850 inches and 3.3900 inches

**Shaft Diameter:**

0.2403 inches single shaft and 0.2405 inches single shaft

**Shaft Length:**

0.7000 inches single shaft

**Fragility Factor:**

Moderately rugged

**Distance Between Flanges:**

1.8120 inches

**Maximum Temperature Rise:**

35.0 degrees celsius

**Body Size:**

37

**Rotor Input Voltage Rating In Volts:**

115.0

**Frequency In Hertz:**

60.0

**Rotor Input Current Rating:**

830.0 milliamperes

**Rotor Input Electrical Power Rating:**

9.25 watts

**Zss Impedance Magnitude In Ohms:**

Between 7.00 and 10.00

**Zss Impedance Angle In Deg:**

Between 30.00 and 40.00

**Phase Shift Angle In Deg:**

3.000 input to output

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

35.00 output

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

170.00

**Electrical Error Angular Range In Minutes:**

-10.0/+10.0

**Spline Tooth Quantity:**

22 single shaft

**Receiver Error Angular Range In Minutes:**

-36.0/+36.0

**Torque Gradient Per Angular Deg:**

0.900 inch-ounces

**Pilot Length:**

0.1600 inches

**Shoulder Length:**

0.6550 inches

**Err Default:**

Err default and err default

**Mounting Surface To Terminal End Distance:**

5.0600 inches

**Spline Tooth Diametral Pitch:**

96 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:**

0.3100 inches single shaft

**Shaft Type:**

Spline w/threads single shaft

**Transformation Ratio:**

0.783 rotor to stator

**Shaft Thread Size:**

0.250 inches single shaft

**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-20708/74 government specification

**Shelf Life:**

N/a

**Unit Of Measure:**

--

**Demilitarization:**

Yes - demil/mli

**Fig:**

A07800