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**Body Material:**

Steel, stainless

**Body Style:**

Standard round d

**Shoulder Diameter:**

Between 1.9850 inches and 1.9900 inches

**Pilot Diameter:**

0.5950 inches

**Second Shoulder Diameter:**

Between 1.9985 inches and 1.9995 inches

**Second Shoulder Length:**

0.1700 inches

**Overall Length:**

4.2990 inches

**Flange Diameter:**

Between 2.2490 inches and 2.2500 inches

**Flange Thickness:**

0.2500 inches

**Body Diameter:**

1.9900 inches

**Shaft Diameter:**

0.2403 inches single shaft and 0.2405 inches single shaft

**Shaft Length:**

0.7190 inches single shaft

**Fragility Factor:**

Moderately rugged

**Maximum Temperature Rise:**

10.0 degrees celsius

**Body Size:**

23

**Stator Input Voltage Rating In Volts:**

90.0

**Stator Input Current Rating:**

18.5 milliamperes

**Stator Input Electrical Power Rating:**

400.0 milliwatts

**Frequency In Hertz:**

60.0

**Zso Impedance Magnitude In Ohms:**

Between 4200.00 and 5100.00

**Zso Impedance Angle In Deg:**

Between 70.00 and 76.00

**Zrs Impedance Magnitude In Ohms:**

Between 1350.00 and 1650.00

**Zrs Impedance Angle In Deg:**

Between 14.00 and 20.00

**Phase Shift Angle In Deg:**

14.000 input to output

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

30.00 output

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

45.00

**Electrical Error Angular Range In Minutes:**

-6.0 to 6.0

**Spline Tooth Quantity:**

22 single shaft

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

0.20 inch-ounces

**Shaft Radial Play Test Point:**

0.125 inches

**Shaft Maximum Radial Play:**

0.0010 inches

**Shaft End Play:**

0.0025 inches

**Pilot Length:**

0.0430 inches

**Shoulder Length:**

0.2500 inches

**Aft Of First Flange Diameter:**

Between 1.9985 inches and 1.9995 inches

**Mounting Surface To Terminal End Distance:**

3.5800 inches

**Spline Tooth Diametral Pitch:**

96 single shaft

**Shaft Maximum Runout:**

0.0008 inches

**Shaft Thread Series Designator:**

Unf single shaft

**Shaft Thread Direction:**

Right-hand single shaft

**Shaft Thread Class:**

2a

**Terminal Location:**

Rear

**Shaft Thread Length:**

0.2900 inches single shaft

**Shaft Type:**

Spline w/threads single shaft

**Transformation Ratio:**

0.735 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 environmental and performance requirements and test conditions that are shown as "typical", "average", "", etc.).

**Terminal Type And Quantity:**

5 screw

**Specification Data:**

81349-mil-s-20708/53 government specification

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli

**Fig:**

A07800