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**Body Material:**

Steel, corrosion resisting

**Body Style:**

Standard round d

**Shoulder Diameter:**

Between 1.9850 inches and 1.9900 inches

**Pilot Diameter:**

Between 0.5900 inches and 0.6000 inches

**Second Shoulder Diameter:**

Between 1.9985 inches and 1.9995 inches

**Second Shoulder Length:**

Between 0.1670 inches and 0.1700 inches

**Overall Length:**

4.2940 inches

**Flange Diameter:**

Between 2.2490 inches and 2.2500 inches

**Flange Thickness:**

Between 0.2490 inches and 0.2500 inches

**Body Diameter:**

Between 1.9900 inches and 1.9950 inches

**Shaft Diameter:**

0.2402 inches single shaft and 0.2405 inches single shaft

**Shaft Length:**

0.6930 inches single shaft and 0.7190 inches single shaft

**Maximum Temperature Rise:**

65.0 degrees celsius

**Body Size:**

23

**Rotor Input Voltage Rating In Volts:**

115.0

**Frequency In Hertz:**

60.0

**Rotor Input Current Rating:**

210.0 milliamperes

**Rotor Input Electrical Power Rating:**

5.0 watts

**Zro Resistance In Ohms:**

132.00

**Zso Resistance In Ohms:**

98.00

**Zrs Resistance In Ohms:**

249.00

**Zso-9 Designator Resistance In Ohms:**

90.00

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

75.00 output

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

125.00

**Electrical Error Angular Range In Minutes:**

-8.0/+8.0

**Spline Tooth Quantity:**

22 single shaft

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

0.50 inch-ounces

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

0.20 inch-ounces

**Torque Gradient Per Angular Deg:**

0.130 inch-ounces

**Pilot Length:**

Between 0.0360 inches and 0.0460 inches

**Shoulder Length:**

Between 0.2410 inches and 0.2520 inches

**Aft Of First Flange Diameter:**

Between 1.9985 inches and 1.9995 inches

**Mounting Surface To Terminal End Distance:**

3.4450 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:**

0.2660 inches single shaft

**Plus J Zro Reactance In Ohms:**

494.00

**Plus J Zso Reactance In Ohms:**

311.00

**Plus J Zrs Reactance In Ohms:**

79.00

**Shaft Type:**

Spline w/threads single shaft

**Transformation Ratio:**

0.783 rotor to stator

**Plus J Zso-9 Designator Reactance In Ohms:**

90.00

**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:**

7 screw

**Specification Data:**

81349-mil-s-20708/94 government specification

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli

**Fig:**

A07800