

View Online at <https://aerobasegroup.com/nsn/5990-00-850-0609>

**Body Material:**

Steel, stainless

**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 0.1680 inches and 0.7000 inches

**Overall Length:**

4.2940 inches

**Flange Diameter:**

Between 2.2490 inches and 2.2500 inches

**Flange Thickness:**

Between 0.2480 inches and 0.2500 inches

**Body Diameter:**

Between 1.9850 inches and 1.9900 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

**Fragility Factor:**

Moderately rugged

**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:**

94.00

**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

**Receiver Error Angular Range In Minutes:**

-60.0/+60.0

**Torque Gradient Per Angular Deg:**

0.130 inch-ounces

**Alignment Hole Quantity:**

3

**Pilot Length:**

Between 0.0360 inches and 0.0460 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:**

3.4450 inches

**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 and 0.3300 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:**

Round, threaded single shaft

**Alignment Hole Depth:**

0.1250 inches

**Transformation Ratio:**

0.783 rotor to stator

**Alignment Hole Bolt Circle Diameter:**

1.6420 inches

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

113.00

**Shaft Thread Size:**

0.2500 inches single shaft

**Special Features:**

Slotted keyway full length of 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 wire lead

**Specification Data:**

81349-mil-s-20708/94 government specification

**Shelf Life:**

N/a

**Unit Of Measure:**

--

**Demilitarization:**

Yes - demil/mli

**Fiig:**

A07800