

View Online at <https://aerobasegroup.com/nsn/5990-00-811-5227>

**Body Material:**

Steel, stainless

**Body Style:**

Standard round d

**Shoulder Diameter:**

Between 1.9850 inches and 1.9900 inches

**Pilot Diameter:**

Between 0.5999 inches and 0.6000 inches

**Second Shoulder Diameter:**

Between 1.9985 inches and 1.9995 inches

**Second Shoulder Length:**

Between 0.1680 inches and 0.1700 inches

**Overall Length:**

4.5440 inches

**Flange Diameter:**

Between 2.2490 inches and 2.2500 inches

**Flange Thickness:**

Between 2.2480 inches and 2.2500 inches

**Body Diameter:**

Between 1.9850 inches and 1.9900 inches

**Shaft Diameter:**

0.2500 inches single shaft

**Shaft Length:**

0.6930 inches single shaft

**Maximum Temperature Rise:**

45.0 degrees celsius

**Body Size:**

23

**Stator Input Voltage Rating In Volts:**

90.0

**Stator Input Current Rating:**

270.0 milliamperes

**Stator Input Electrical Power Rating:**

2.8 watts

**Frequency In Hertz:**

400.0

**Zro Resistance In Ohms:**

41.40

**Zso Resistance In Ohms:**

36.50

**Zrs Resistance In Ohms:**

31.30

Maximum Fundamental Null Voltage In Millivolts Per Volt:

50.00 output

Maximum Total Null Voltage Output In Millivolts Per Volt:

100.00

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

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

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

Terminal Location:

Rear

Shaft Thread Length:

0.2660 inches single shaft

Plus J Zro Reactance In Ohms:

314.00

Plus J Zso Reactance In Ohms:

80.00

Plus J Zrs Reactance In Ohms:

29.70

Shaft Type:

Spline w/threads single shaft

Alignment Hole Depth:

0.1250 inches

**Transformation Ratio:**

1.154 rotor to stator

**Alignment Hole Bolt Circle Diameter:**

1.6420 inches

**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:**

--

**Demilitarization:**

No

**Fiig:**

A07800