

View Online at <https://aerobasegroup.com/nsn/5990-00-644-0097>

**Body Material:**

Aluminum

**Body Style:**

Standard round d

**Shoulder Diameter:**

Between 1.9850 inches and 1.9900 inches

**Pilot Diameter:**

0.5950 inches

**Second Shoulder Diameter:**

Between 1.9990 inches and 1.9995 inches

**Second Shoulder Length:**

0.1700 inches

**Overall Length:**

4.5490 inches

**Flange Diameter:**

Between 2.2490 inches and 2.2500 inches

**Flange Thickness:**

0.2500 inches

**Body Diameter:**

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

**Maximum Temperature Rise:**

25.0 degrees celsius

**Body Size:**

23

**Stator Input Voltage Rating In Volts:**

90.0

**Stator Input Current Rating:**

297.0 milliamperes

**Stator Input Electrical Power Rating:**

4.0 watts

**Frequency In Hertz:**

400.0

**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

**Pilot Length:**

0.0430 inches

**Shoulder Length:**

0.2500 inches

**Aft Of First Flange Diameter:**

Between 1.9990 inches and 1.9995 inches

**Mounting Surface To Terminal End Distance:**

2.9040 inches

**Shaft Thread Series Designator:**

Unf single shaft

**Shaft Thread Direction:**

Right-hand single shaft

**Shaft Thread Class:**

3a

**Terminal Location:**

Rear

**Shaft Thread Length:**

0.3100 inches single shaft

**Shaft Type:**

Round, threaded single shaft

**Transformation Ratio:**

1.154 rotor to stator

**Shaft Thread Size:**

0.250 inches single shaft

**Special Features:**

Shaft slotted parallel 0.0620 in. Nom w by 0.6100 in. Nom deep

**Test Data Document:**

81349-mil-s-16892 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-16892 government specification

**Shelf Life:**

N/a

**Unit Of Measure:**

--

**Demilitarization:**

Non-military use

**Fig:**

A07800