

View Online at <https://aerobasegroup.com/nsn/5990-01-121-1175>

**Body Material:**

Steel, corrosion resisting

**Body Style:**

Standard round d

**Shoulder Diameter:**

2.7000 inches

**Pilot Diameter:**

0.5000 inches

**Second Shoulder Diameter:**

2.7500 inches

**Second Shoulder Length:**

0.3750 inches

**Overall Length:**

5.3600 inches

**Flange Diameter:**

3.1000 inches

**Flange Thickness:**

0.2500 inches

**Body Diameter:**

2.7000 inches

**Shaft Diameter:**

0.2405 inches single shaft

**Shaft Length:**

0.7000 inches single shaft

**Schematic Diagram Designator:**

Err-090

**Fragility Factor:**

Moderately rugged

**Body Size:**

31

**Stator Input Voltage Rating In Volts:**

90.0

**Stator Input Current Rating:**

748.0 milliamperes

**Stator Input Electrical Power Rating:**

7.8 watts

**Frequency In Hertz:**

60.0

**Phase Shift Angle In Deg:**

6.500 output to input

**Electrical Error Angular Range In Minutes:**

-10.0/+10.0

**Spline Tooth Quantity:**

22 single shaft

**Receiver Error Angular Range In Minutes:**

-48.0/+48.0

**Shaft Radial Play Test Point:**

0.125 inches

**Shaft Maximum Radial Play:**

0.0008 inches

**Shaft End Play:**

Between 0.0010 inches and 0.0050 inches

**Pilot Length:**

0.0300 inches

**Shoulder Length:**

0.6450 inches

**Aft Of First Flange Diameter:**

2.3220 inches

**Mounting Surface To Terminal End Distance:**

4.6600 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:**

0.3200 inches single shaft

**Shaft Type:**

Spline w/threads single shaft

**Transformation Ratio:**

1.154 rotor to stator

**Shaft Thread Size:**

0.250 inches single shaft

**Shaft Radial Play Determining Weight:**

16.0 ounces

**Shaft End Play Determining Weight:**

16.0 ounces

**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

**Terminal Type And Quantity:**

6 screw

**Specification Data:**

81349-mil-s-20708/67 government specification

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli

**Fiig:**

A07800