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**Body Material:**

Steel, corrosion resisting

**Body Style:**

Standard round d

**Shoulder Diameter:**

2.7000 inches

**Pilot Diameter:**

0.3120 inches

**Second Shoulder Diameter:**

2.7500 inches

**Second Shoulder Length:**

0.3750 inches

**Overall Length:**

5.2000 inches

**Flange Diameter:**

3.1000 inches

**Flange Thickness:**

0.2500 inches

**Body Diameter:**

2.7000 inches

**Shaft Diameter:**

0.2500 inches single shaft

**Shaft Length:**

0.8100 inches single shaft

**Schematic Diagram Designator:**

1 y-rotor, 1 stator

**Fragility Factor:**

Moderately rugged

**Maximum Temperature Rise:**

60.0 degrees celsius

**Body Size:**

31

**Rotor Input Voltage Rating In Volts:**

115.0

**Frequency In Hertz:**

400.0

**Rotor Input Current Rating:**

1.76 amperes

**Rotor Input Electrical Power Rating:**

17.0 watts

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

75.00 output

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

100.00

**Electrical Error Angular Range In Minutes:**

-8.0/+8.0

**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:**

0.670 inch-ounces

**Shaft Radial Play Test Point:**

0.125 inches

**Shaft Maximum Radial Play:**

0.0005 inches

**Shaft End Play:**

0.0040 inches

**Pilot Length:**

0.0300 inches

**Shoulder Length:**

0.6150 inches

**Aft Of First Flange Diameter:**

2.7500 inches

**Mounting Surface To Terminal End Distance:**

4.4300 inches

**Shaft Maximum Runout:**

0.0005 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:**

0.3000 inches single shaft

**Shaft Type:**

Round, threaded single shaft

**Transformation Ratio:**

0.783 stator to rotor

**Shaft Thread Size:**

0.250 inches single shaft

**Shaft Radial Play Determining Weight:**

16.0 ounces

**Shaft End Play Determining Weight:**

48.0 ounces

**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:**

5 screw

**Specification Data:**

81349-mil-s-16892-31tx4a government specification

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli

**Fig:**

A07800