

View Online at <https://aerobasegroup.com/nsn/5990-00-503-0386>

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