

View Online at <https://aerobasegroup.com/nsn/5990-00-018-9721>

Body Material:

Steel, stainless

Body Style:

Standard round d

Shoulder Diameter:

Between 1.9850 inches and 1.9900 inches

Pilot Diameter:

0.5950 inches

Second Shoulder Diameter:

Between 1.9985 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:

0.2403 inches single shaft and 0.2405 inches single shaft

Shaft Length:

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:

215.0 milliamperes

Stator Input Electrical Power Rating:

4.8 watts

Frequency In Hertz:

60.0

Zso Impedance Magnitude In Ohms:

Between 370.00 and 460.00

Zso Impedance Angle In Deg:

Between 74.00 and 78.00

Zrs Impedance Magnitude In Ohms:

Between 175.00 and 220.00

Zrs Impedance Angle In Deg:

Between 15.00 and 20.00

Phase Shift Angle In Deg:

11.500 input to output

Electrical Error Angular Range In Minutes:

-6.0 to 6.0

Spline Tooth Quantity:

22 single shaft

Actuator Friction Torque At Plus 25 Deg Celsius:

0.20 inch-ounces

Torque Gradient Per Angular Deg:

0.030 inch-ounces

Shaft Radial Play Test Point:

0.125 inches

Shaft Maximum Radial Play:

0.0010 inches

Shaft End Play:

0.0025 inches

Pilot Length:

0.0430 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:

3.8300 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 single shaft

Terminal Location:

Rear

Shaft Thread Length:

0.2900 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:

8.0 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 environmental and performance requirements and test conditions that are shown as "typical", "average", "", etc.).

Terminal Type And Quantity:

6 screw

Specification Data:

81349-mil-s-20708/55 government specification

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

No

Fig:

A07800