

View Online at <https://aerobasegroup.com/nsn/5990-00-644-0102>

Body Material:

Steel, stainless

Body Style:

Standard round d

Shoulder Diameter:

Between 1.9850 inches and 1.9900 inches

Pilot Diameter:

Between 0.5900 inches and 0.6000 inches

Second Shoulder Diameter:

Between 1.9985 inches and 1.9995 inches

Second Shoulder Length:

Between 0.1680 inches and 0.1700 inches

Overall Length:

4.5440 inches

Flange Diameter:

Between 2.2490 inches and 2.2500 inches

Flange Thickness:

0.2500 inches

Body Diameter:

Between 1.9850 inches and 1.9900 inches

Shaft Diameter:

0.2395 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:

45.0 degrees celsius

Body Size:

23

Stator Input Voltage Rating In Volts:

90.0

Stator Input Current Rating:

112.0 milliamperes

Stator Input Electrical Power Rating:

2.2 watts

Frequency In Hertz:

60.0

Zro Resistance In Ohms:

330.00

Zso Resistance In Ohms:

211.00

Zrs Resistance In Ohms:

471.00

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

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:

Between 0.0360 inches and 0.0460 inches

Shoulder Length:

Between 0.2460 inches and 0.2520 inches

Aft Of First Flange Diameter:

Between 1.9985 inches and 1.9995 inches

Mounting Surface To Terminal End Distance:

3.4450 inches

Spline Tooth Diametral Pitch:

96 single shaft

Shaft Thread Series Designator:

Unf single shaft

Shaft Thread Direction:

Right-hand single shaft

Shaft Thread Class:

2a

Terminal Location:

Rear

Shaft Thread Length:

0.2500 inches single shaft

Plus J Zro Reactance In Ohms:

1006.00

Plus J Zso Reactance In Ohms:

757.00

Plus J Zrs Reactance In Ohms:

127.00

Shaft Type:

Spline w/threads single shaft

Transformation Ratio:

1.154 rotor to stator

Shaft Thread Size:

0.250 inches single shaft

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:

7 screw

Specification Data:

81349-mil-s-20708/94 government specification

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

Yes - demil/mli

Fig:

A07800