

View Online at <https://aerobasegroup.com/nsn/5990-00-070-8522>

Body Material:

Steel, corrosion resisting

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:

4.2990 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

Fragility Factor:

Moderately rugged

Maximum Temperature Rise:

20.0 degrees celsius

Body Size:

23

Rotor Input Voltage Rating In Volts:

115.0

Frequency In Hertz:

400.0

Rotor Input Current Rating:

245.0 milliamperes

Rotor Input Electrical Power Rating:

1.7 watts

Zro Impedance Magnitude In Ohms:

Between 470.00 and 580.00

Zro Impedance Angle In Deg:

Between 84.00 and 87.50

Zss Impedance Magnitude In Ohms:

Between 21.60 and 26.00

Zss Impedance Angle In Deg:

Between 42.00 and 47.00

Phase Shift Angle In Deg:

1.000 input to output

Maximum Fundamental Null Voltage In Millivolts Per Volt:

32.00 output

Maximum Total Null Voltage Output In Millivolts Per Volt:

48.00

Electrical Error Angular Range In Minutes:

-6.0 to 6.0

Spline Tooth Quantity:

22 single shaft

Torque Gradient Per Angular Deg:

0.200 inch-ounces

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:

4.2990 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 single shaft

Terminal Location:

Rear

Shaft Thread Length:

0.2900 inches single shaft

Shaft Type:

Spline w/threads single shaft

Transformation Ratio:

0.783 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

Terminal Type And Quantity:

5 screw

Specification Data:

81349-mil-s-20708/45 government specification

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

Yes - demil/mli

Fiig:

A07800