

View Online at <https://aerobasegroup.com/nsn/5990-01-030-5206>

Body Material:

Aluminum alloy

Body Style:

Standard round c

Shoulder Diameter:

2.7000 inches

Pilot Diameter:

0.2405 inches

Overall Length:

4.1200 inches

Flange Diameter:

3.1000 inches

Flange Thickness:

0.2500 inches

Undercut Diameter:

2.7500 inches

Undercut Width:

0.0250 inches

Shaft Diameter:

0.2405 inches single shaft

Shaft Length:

0.7300 inches single shaft

Fragility Factor:

Moderately rugged

Maximum Temperature Rise:

10.0 degrees celsius

Body Size:

31

Rotor Input Voltage Rating In Volts:

115.0

Frequency In Hertz:

60.0

Rotor Input Current Rating:

191.0 milliamperes

Rotor Input Electrical Power Rating:

2.26 watts

Zro Resistance In Ohms:

693.00

Zss Resistance In Ohms:

63.00

Zro Impedance Angle In Deg:

83.20

Zss Impedance Angle In Deg:

20.00

Rotor Dc Resistance In Ohms:

53.60

Stator Dc Resistance In Ohms:

52.00

Phase Shift Angle In Deg:

4.400 input to output

Maximum Fundamental Null Voltage In Millivolts Per Volt:

30.00 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

Pilot Length:

0.3750 inches

Shoulder Length:

0.1850 inches

Mounting Surface To Terminal End Distance:

3.3800 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:

0.3130 inches single shaft

Shaft Type:

Spline w/threads single shaft

Transformation Ratio:

0.783 rotor to stator

Shaft Thread Size:

0.390 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-20708/139 government specification

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

Yes - demil/mli

Fig:

A07800