

View Online at <https://aerobasegroup.com/nsn/5990-01-305-7228>

Body Material:

Steel, corrosion resisting

Body Style:

Standard round b

Shoulder Diameter:

Between 1.3115 inches and 1.3120 inches

Pilot Diameter:

Between 0.8745 inches and 0.8750 inches

Overall Length:

2.3320 inches

Flange Diameter:

Between 1.4320 inches and 1.4370 inches

Flange Thickness:

Between 0.0880 inches and 0.0980 inches

Undercut Width:

Between 0.0730 inches and 0.0830 inches

Shaft Diameter:

0.1867 inches single shaft and 0.1872 inches single shaft

Shaft Length:

0.4900 inches single shaft and 0.5100 inches single shaft

Maximum Temperature Rise:

20.0 degrees celsius

Body Size:

15

Rotor Input Voltage Rating In Volts:

115.0

Frequency In Hertz:

400.0

Rotor Input Current Rating:

85.0 milliamperes

Rotor Input Electrical Power Rating:

1.2 watts

Zro Impedance Magnitude In Ohms:

Between 1402.00 and 1643.00

Zro Impedance Angle In Deg:

Between 81.40 and 84.60

Zss Impedance Magnitude In Ohms:

Between 123.00 and 138.00

Zss Impedance Angle In Deg:

Between 26.50 and 31.50

Phase Shift Angle In Deg:

4.000 input to output

Maximum Fundamental Null Voltage In Millivolts Per Volt:

32.00 output

Maximum Total Null Voltage Output In Millivolts Per Volt:

60.00

Electrical Error Angular Range In Minutes:

-6.0/+6.0

Actuator Friction Torque At Plus 25 Deg Celsius:

0.05 inch-ounces

Alignment Hole Quantity:

4

Shaft Radial Play Test Point:

0.125 inches

Shaft Maximum Radial Play:

0.0006 inches

Shaft End Play:

0.0010 inches

Pilot Length:

Between 0.0350 inches and 0.0450 inches

Shoulder Length:

Between 0.1270 inches and 0.1370 inches

Mounting Surface To Terminal End Distance:

1.7770 inches

Shaft Maximum Runout:

0.0008 inches

Terminal Location:

Rear

Shaft Slot Depth:

0.0250 inches single shaft

Shaft Slot Width:

0.0200 inches single shaft

Shaft Type:

Round, slotted single shaft

Alignment Hole Depth:

0.1250 inches

Transformation Ratio:

0.783 rotor to stator

Alignment Hole Bolt Circle Diameter:

Between 1.0970 inches and 1.1030 inches

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

Terminal Type And Quantity:

6 screw

Specification Data:

81349-mil-s-20708/14 government specification

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

No

Fig:

A07800