

View Online at <https://aerobasegroup.com/nsn/5990-00-223-3252>

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:

4.5490 inches

Flange Diameter:

Between 2.2490 inches and 2.2500 inches

Flange Thickness:

0.2500 inches

Body Diameter:

1.9900 inches

Shaft Diameter:

0.2402 inches single shaft and 0.2405 inches single shaft

Shaft Length:

0.7190 inches single shaft

Fragility Factor:

Moderately rugged

Maximum Temperature Rise:

30.0 degrees celsius

Body Size:

23

Stator Input Voltage Rating In Volts:

90.0

Stator Input Current Rating:

285.0 milliamperes

Stator Input Electrical Power Rating:

2.2 watts

Frequency In Hertz:

400.0

Zso Impedance Magnitude In Ohms:

Between 275.00 and 340.00

Zso Impedance Angle In Deg:

Between 82.50 and 85.50

Zrs Impedance Magnitude In Ohms:

Between 37.00 and 50.00

Zrs Impedance Angle In Deg:

Between 45.00 and 50.00

Phase Shift Angle In Deg:

2.000 input to output

Maximum Fundamental Null Voltage In Millivolts Per Volt:

30.00 output

Maximum Total Null Voltage Output In Millivolts Per Volt:

20.00

Electrical Error Angular Range In Minutes:

-7.0/+7.0

Spline Tooth Quantity:

22 single shaft

Actuator Friction Torque At Plus 25 Deg Celsius:

0.20 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:

3.8300 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:

0.2900 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

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-20708/47 government specification

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

No

Fiig:

A07800