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Body Material:

Steel, corrosion resisting

Body Style:

Standard round c

Shoulder Diameter:

Between 1.5615 inches and 1.5620 inches

Pilot Diameter:

0.0375 inches

Overall Length:

3.0600 inches

Flange Diameter:

Between 1.7450 inches and 1.7500 inches

Flange Thickness:

0.0930 inches

Undercut Diameter:

1.6250 inches

Undercut Width:

0.0780 inches

Shaft Diameter:

0.1870 inches single shaft and 0.1872 inches single shaft

Shaft Length:

0.5400 inches single shaft

Fragility Factor:

Moderately rugged

End Application:

Qgun fire control system, mk 68; ticonderoga class cg (47); forrestal class cv; los angeles class ssn (688); nimitz class cvn; kidd class ddg; sturgeon class ssn (637); virginia class cgn (41); spruance class dd (963)

Maximum Temperature Rise:

20.0 degrees celsius

Body Size:

18

Rotor Input Voltage Rating In Volts:

115.0

Frequency In Hertz:

400.0

Rotor Input Current Rating:

110.0 milliamperes

Rotor Input Electrical Power Rating:

900.0 milliwatts

Zro Impedance Magnitude In Ohms:

Between 1045.00 and 1400.00

Zro Impedance Angle In Deg:

Between 84.00 and 87.50

Zss Impedance Magnitude In Ohms:

Between 40.00 and 57.00

Zss Impedance Angle In Deg:

Between 34.00 and 48.00

Phase Shift Angle In Deg:

1.500 input to output

Maximum Fundamental Null Voltage In Millivolts Per Volt:

40.00 output

Maximum Total Null Voltage Output In Millivolts Per Volt:

60.00

Electrical Error Angular Range In Minutes:

-6.0/+6.0

Spline Tooth Quantity:

21 single shaft

Torque Gradient Per Angular Deg:

0.100 inch-ounces

Alignment Hole Quantity:

4

Pilot Length:

0.0400 inches

Shoulder Length:

0.1320 inches

Mounting Surface To Terminal End Distance:

2.5200 inches

Spline Tooth Diametral Pitch:

121 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:

0.2000 inches single shaft

Shaft Type:

Spline w/threads single shaft

Alignment Hole Depth:

0.1250 inches

Criticality Code Justification:

Feat

Transformation Ratio:

0.785 rotor to stator

Alignment Hole Bolt Circle Diameter:

1.2500 inches

Shaft Thread Size:

0.190 inches single shaft

Special Features:

Weapon system essential

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:

5 screw

Specification Data:

81349-mil-s-20708/28 government specification

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

Yes - demil/mli

Fig:

A07800