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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