

View Online at <https://aerobasegroup.com/nsn/5990-00-898-1393>

Body Material:

Steel, stainless

Body Style:

Standard round d

Shoulder Diameter:

Between 2.6950 inches and 2.7000 inches

Pilot Diameter:

0.3000 inches

Second Shoulder Diameter:

Between 2.7490 inches and 2.7500 inches

Second Shoulder Length:

0.3750 inches

Overall Length:

5.1000 inches

Flange Diameter:

Between 3.0990 inches and 3.1000 inches

Flange Thickness:

0.2500 inches

Body Diameter:

2.7000 inches

Shaft Diameter:

0.2403 inches single shaft and 0.2405 inches single shaft

Shaft Length:

0.7300 inches single shaft

Fragility Factor:

Moderately rugged

End Application:

5forrestal class cv; sturgeon class ssn (637); los angeles class ssn (688); ticonderoga class cg (47); gun fire control system, mk 68; nimitz class cvn; spruance class dd (963); virginia class cgn (41); wmis, wind measuring and indicating systems

Maximum Temperature Rise:

60.0 degrees celsius

Body Size:

31

Rotor Input Voltage Rating In Volts:

115.0

Frequency In Hertz:

400.0

Rotor Input Current Rating:

1.7 amperes

Rotor Input Electrical Power Rating:

14.4 watts

Phase Shift Angle In Deg:

2.000 input to output

Maximum Fundamental Null Voltage In Millivolts Per Volt:

35.00 output

Maximum Total Null Voltage Output In Millivolts Per Volt:

170.00

Electrical Error Angular Range In Minutes:

-8.0/+8.0

Spline Tooth Quantity:

22 single shaft

Receiver Error Angular Range In Minutes:

-36.0/+36.0

Torque Gradient Per Angular Deg:

0.670 inch-ounces

Pilot Length:

0.0300 inches

Shoulder Length:

0.5950 inches

Aft Of First Flange Diameter:

Between 2.7490 inches and 2.7500 inches

Mounting Surface To Terminal End Distance:

4.3700 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:

0.3100 inches single shaft

Shaft Type:

Spline w/threads single shaft

Criticality Code Justification:

Feat

Transformation Ratio:

0.783 rotor to stator

Shaft Thread Size:

0.250 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

Terminal Type And Quantity:

5 screw

Specification Data:

81349-mil-s-20708/62 government specification

Shelf Life:

N/a

Unit Of Measure:

--

Demilitarization:

Yes - demil/mli

Fig:

A07800