

View Online at <https://aerobasegroup.com/nsn/5990-01-121-1175>

Body Material:

Steel, corrosion resisting

Body Style:

Standard round d

Shoulder Diameter:

2.7000 inches

Pilot Diameter:

0.5000 inches

Second Shoulder Diameter:

2.7500 inches

Second Shoulder Length:

0.3750 inches

Overall Length:

5.3600 inches

Flange Diameter:

3.1000 inches

Flange Thickness:

0.2500 inches

Body Diameter:

2.7000 inches

Shaft Diameter:

0.2405 inches single shaft

Shaft Length:

0.7000 inches single shaft

Schematic Diagram Designator:

Err-090

Fragility Factor:

Moderately rugged

Body Size:

31

Stator Input Voltage Rating In Volts:

90.0

Stator Input Current Rating:

748.0 milliamperes

Stator Input Electrical Power Rating:

7.8 watts

Frequency In Hertz:

60.0

Phase Shift Angle In Deg:

6.500 output to input

Electrical Error Angular Range In Minutes:

-10.0/+10.0

Spline Tooth Quantity:

22 single shaft

Receiver Error Angular Range In Minutes:

-48.0/+48.0

Shaft Radial Play Test Point:

0.125 inches

Shaft Maximum Radial Play:

0.0008 inches

Shaft End Play:

Between 0.0010 inches and 0.0050 inches

Pilot Length:

0.0300 inches

Shoulder Length:

0.6450 inches

Aft Of First Flange Diameter:

2.3220 inches

Mounting Surface To Terminal End Distance:

4.6600 inches

Spline Tooth Diametral Pitch:

96 single shaft

Shaft Maximum Runout:

0.0008 inches

Shaft Thread Series Designator:

Unf single shaft

Shaft Thread Direction:

Right-hand single shaft

Shaft Thread Class:

2a

Terminal Location:

Rear

Shaft Thread Length:

0.3200 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

Shaft Radial Play Determining Weight:

16.0 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-20708/67 government specification

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

Yes - demil/mli

Fiig:

A07800