Receiver-transmitter Synchro - Page 1 of 3



View Online at https://aerobasegroup.com/nsn/5990-00-904-3314

Body Material:
Steel, stainless
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:
4.2990 inches
Flange Diameter:
Between 2.2490 inches and 2.2500 inches
Flange Thickness:
0.2500 inches
Body Diameter:
1.9900 inches
Shaft Diameter:
0.2403 inches single shaft and 0.2405 inches single shaft
Shaft Length:
0.7190 inches single shaft
Fragility Factor:
Moderately rugged
Maximum Tempurature Rise:
30.0 degrees celsius
Body Size:
23
Rotor Input Voltage Rating In Volts:
115.0
Frequency In Hertz:
400.0
Rotor Input Current Rating:
720.0 milliamperes
Zss Impedance Magnitude In Ohms:
Between 6.50 and 8.10
Zss Impedance Angle In Deg:
Between 42.00 and 46.00
Phase Shift Angle In Deg:
2.000 input to output

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Maximum Fundamental Null Voltage In Millivolts Per Volt: 30.00 output Maximum Total Null Voltage Output In Millivolts Per Volt: 150.00 **Electrical Error Angular Range In Minutes:** -6.0/+6.0 Spline Tooth Quantity: 21 single shaft **Receiver Error Angular Range In Minutes:** -45.0/+45.0 **Torque Gradient Per Angular Deg:** 0.250 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: 3.5800 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: 0.2900 inches single shaft Shaft Type: Spline w/threads single shaft Transformation Ratio: 0.783 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 environmental and performance requirements and test conditions that are shown as "typical", "average", "", etc.).

Terminal Type And Quantity:

5 screw

Specification Data:

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Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

Yes - demil/mli

Fiig:

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