NSN 5990-00-802-6998

Control Transformer Synchro - Page 1 of 2



View Online at https://aerobasegroup.com/nsn/5990-00-802-6998

Dody Matarial
Body Material:
Steel, stainless
Body Style:
Standard round a
Pilot Diameter:
Between 0.4995 inches and 0.5000 inches
Overall Length:
1.6150 inches
Flange Diameter:
Between 0.7450 inches and 0.7500 inches
Flange Thickness:
0.0620 inches
Undercut Diameter:
0.6870 inches
Undercut Width:
0.0620 inches
Shaft Diameter:
0.0898 inches single shaft and 0.0900 inches single shaft
Shaft Length:
0.4150 inches single shaft
Maximum Tempurature Rise:
10.0 degrees celsius
Body Size:
8
Stator Input Voltage Rating In Volts:
11.8
Stator Input Current Rating:
23.0 milliamperes
Stator Input Electrical Power Rating:
44.0 milliwatts
Frequency In Hertz:
400.0
Zso Impedance Magnitude In Ohms:
Between 444.00 and 570.00
Zso Impedance Angle In Deg:
Between 76.00 and 81.00
Zrs Impedance Magnitude In Ohms:
Between 830.00 and 940.00

Phase Shift Angle In Deg: 8.000 input to output

Zrs Impedance Angle In Deg: Between 16.00 and 20.00

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Maximum Fundamental Null Voltage In Millivolts Per Volt:
25.00 output
Maximum Total Null Voltage Output In Millivolts Per Volt:
30.00
Electrical Error Angular Range In Minutes:
7.0/+7.0
Torque Gradient Per Angular Deg:
0.040 inch-ounces
Pilot Length:
0.0620 inches
Mounting Surface To Terminal End Distance:
1.2400 inches
Terminal Location:
Rear
Shaft Slot Depth:
0.0250 inches single shaft
Shaft Slot Width:
0.0200 inches single shaft
Shaft Type:
Round, slotted single shaft
Transformation Ratio:
2.203 rotor to stator
Test Data Document:
31349-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.). Or
31349-mil-s-207080/79 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 wire lead
Shelf Life:
N/a
Unit Of Measure:
-
Demilitarization:
Yes - demil/mli
Filg:
A07800