## NSN 5990-00-013-1042

Between 0.4995 inches and 0.5000 inches

**Body Material:** 

Body Style: Standard round a Pilot Diameter:

Steel, corrosion resisting

Control Transformer Synchro - Page 1 of 3



View Online at https://aerobasegroup.com/nsn/5990-00-013-1042

Detween 0.4000 menes and 0.0000 menes
Overall Length:
1.6160 inches
Flange Diameter:
Between 0.7490 inches and 0.7500 inches
Flange Thickness:
0.0620 inches
Undercut Diameter:
Between 0.6880 inches and 0.6910 inches
Undercut Width:
0.0620 inches
Shaft Diameter:
0.0850 inches single shaft and 0.0900 inches single shaft
Shaft Length:
0.3770 inches single shaft
Schematic Diagram Designator:
1 y-rotor, 1 stator
Fragility Factor:
Moderately rugged
Body Size:
8
Stator Input Voltage Rating In Volts:
11.8
Stator Input Current Rating:
30.0 milliamperes
Stator Input Electrical Power Rating:
73.0 milliwatts
Frequency In Hertz:
400.0
Zro Resistance In Ohms:
470.00
Zso Resistance In Ohms:
81.00
Zrs Resistance In Ohms:
590.00
Rotor Dc Resistance In Ohms:
365.00



NSN 5990-00-013-1042 Control Transformer Synchro - Page 2 of 3 Stator Dc Resistance In Ohms: 64.00 Phase Shift Angle In Deg: 8.500 input to output Maximum Total Null Voltage Output In Millivolts Per Volt: 30.00 **Electrical Error Angular Range In Minutes:** -7.0/+7.0 **Actuator Friction Torque At Minus 55 Deg Celsius:** 16.0 centimeter-grams **Actuator Friction Torque At Plus 25 Deg Celsius:** 4.0 centimeter-grams **Shaft Radial Play Test Point:** 0.125 inches **Shaft Maximum Radial Play:** 

0.0005 inches

**Shaft End Play:** 

Between 0.0003 inches and 0.0008 inches

Pilot Length:

0.0430 inches

**Mounting Surface To Terminal End Distance:** 

1.2410 inches

**Shaft Maximum Runout:** 

0.0010 inches

**Terminal Location:** 

Rear

Plus J Zro Reactance In Ohms:

1770.00

**Shaft Slot Depth:** 

0.0250 inches single shaft

Plus J Zso Reactance In Ohms:

330.00

**Shaft Slot Width:** 

0.0200 inches single shaft

Plus J Zrs Reactance In Ohms:

190.00

**Shaft Type:** 

Round, slotted single shaft

**Shaft Radial Play Determining Weight:** 

4.0 ounces

**Shaft End Play Determining Weight:** 

8.0 ounces

**Terminal Type And Quantity:** 

5 wire lead

## NSN 5990-00-013-1042

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Shelf Life:	She	lf	Life:
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N/a

**Unit Of Measure:** 

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Demilitarization:

No

Fiig:

A07800