NSN 5990-00-477-1361

Receiver Synchro - Page 1 of 3



View Online at https://aerobasegroup.com/nsn/5990-00-477-1361

Body Material:
Steel, corrosion resisting
Body Style:
Standard round c
Shoulder Diameter:
Between 0.9995 inches and 1.0000 inches
Pilot Diameter:
Between 0.4995 inches and 0.5000 inches
Overall Length:
2.1600 inches
Flange Diameter:
Between 1.0610 inches and 1.0620 inches
Flange Thickness:
0.0620 inches
Undercut Diameter:
0.9750 inches
Undercut Width:
0.0810 inches
Shaft Diameter:
0.1242 inches single shaft and 0.1247 inches single shaft
Shaft Length:
0.5600 inches single shaft
Body Size:
11
Rotor Input Voltage Rating In Volts:
26.0
Frequency In Hertz:
400.0
Rotor Input Current Rating:
90.0 milliamperes
Rotor Input Electrical Power Rating:
280.0 milliwatts
Zro Resistance In Ohms:
35.00
Zso Resistance In Ohms:
8.10
Zrs Resistance In Ohms:
49.50
Rotor Dc Resistance In Ohms:
18.00

7.50

Stator Dc Resistance In Ohms:

NSN 5990-00-477-1361

Receiver Synchro - Page 2 of 3



Phase Shift Angle In Deg: 3.800 input to output **Electrical Error Angular Range In Minutes:** -15.0/+15.0 **Spline Tooth Quantity:** 13 single shaft **Receiver Error Angular Range In Minutes:** -30.0/+30.0 **Actuator Friction Torque At Minus 55 Deg Celsius:** 5400.0 centimeter-grams **Actuator Friction Torque At Plus 25 Deg Celsius:** 2700.0 centimeter-grams **Torque Gradient Per Angular Deg:** 2400.0 millimeter-milligrams Pilot Length: 0.0620 inches **Shoulder Length:** 0.0620 inches **Mounting Surface To Terminal End Distance:** 1.6000 inches **Spline Tooth Diametral Pitch:** 120 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:** 0.1870 inches single shaft Plus J Zro Reactance In Ohms: 288.00 Plus J Zso Reactance In Ohms: 47.00 Plus J Zrs Reactance In Ohms: 24.00 **Shaft Type:**

Terminal Type And Quantity: 5 wire lead

Spline w/threads single shaft

Shaft Thread Size:

0.125 inches single shaft

NSN 5990-00-477-1361

Receiver Synchro - Page 3 of 3



_					
•	n	0 1	•	12	e:

N/a

Unit Of Measure:

--

Demilitarization:

No

Fiig:

A07800