NSN 5990-00-686-4499

Receiver Synchro - Page 1 of 3



View Online at https://aerobasegroup.com/nsn/5990-00-686-4499
Body Material:
Steel, stainless
Body Style:
Standard round a
Pilot Diameter:
Between 0.4995 inches and 0.5000 inches
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:
0.0880 inches single shaft and 0.0900 inches single shaft
Shaft Length:
0.3750 inches single shaft
Fragility Factor:
Moderately rugged
Body Size:
8
Rotor Input Voltage Rating In Volts:
115.0
Frequency In Hertz:
400.0
Rotor Input Current Rating:
29.0 milliamperes
Rotor Input Electrical Power Rating:
1.0 watts finished-chamfered
Zro Resistance In Ohms:
950.00
Zso Resistance In Ohms:
10.00
Zrs Resistance In Ohms:
550.00

Rotor Dc Resistance In Ohms:

700.00

Stator Dc Resistance In Ohms:

10.40



NSN 5990-00-686-4499 Receiver Synchro - Page 2 of 3 Phase Shift Angle In Deg: 11.000 input to output **Receiver Error Angular Range In Minutes:** -15.0/+15.0 **Actuator Friction Torque At Minus 55 Deg Celsius:** 5400.0 millimeter-milligrams

Actuator Friction Torque At Plus 25 Deg Celsius:

2700.0 millimeter-milligrams

Torque Gradient Per Angular Deg:

2400.0 millimeter-milligrams

Shaft Maximum Radial Play:

0.0005 inches

Shaft End Play:

Between 0.0020 inches and 0.0040 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:

3850.00

Shaft Slot Depth:

0.0250 inches single shaft

Plus J Zso Reactance In Ohms:

36.00

Shaft Slot Width:

0.0200 inches single shaft

Plus J Zrs Reactance In Ohms:

420.00

Shaft Type:

Round, slotted single shaft

Transformation Ratio:

9.745 rotor to stator

Shaft Radial Play Determining Weight:

4.0 ounces

Shaft End Play Determining Weight:

4.0 ounces

Terminal Type And Quantity:

5 wire lead

Shelf Life:

N/a

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In	18	<i>(</i>)+	МА	261	ıre:

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Demilitarization:

No

Fiig:

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