## NSN 5990-00-583-9759



| Differential Receiver Synchro - Page 1 of 2                   |
|---|
| View Online at https://aerobasegroup.com/nsn/5990-00-583-9759 |
| Body Material:  |
| Aluminum alloy  |
| Body Style:   |
| Standard round b  |
| Shoulder Diameter:  |
| Between 0.9995 inches and 1.0000 inches                       |
| Pilot Diameter:   |
| Between 0.6245 inches and 0.6250 inches                       |
| Overall Length:   |
| 2.1500 inches   |
| Flange Diameter:  |
| Between 1.0570 inches and 1.0650 inches                       |
| Flange Thickness:   |
| 0.0930 inches   |
| Undercut Width:   |
| 0.5000 inches   |
| Shaft Diameter:   |
| 0.1195 inches single shaft and 0.1200 inches single shaft     |
| Shaft Length:   |
| 0.3750 inches single shaft                                    |
| Maximum Tempurature Rise:                                     |
| 3.0 degrees celsius   |
| Body Size:  |
| 11  |
| Stator Input Voltage Rating In Volts:                         |
| 11.8  |
| Stator Input Current Rating:                                  |
| 180.0 milliamperes  |
| Stator Input Electrical Power Rating:                         |
| 800.0 milliwatts  |
| Frequency In Hertz:   |
| 400.0   |
| 7ro Impedance Magnitude In Ohms:                              |

73.30

**Zro Impedance Angle In Deg:** 

70.00

**Zso Impedance Magnitude In Ohms:** 

37.70

Zso Impedance Angle In Deg:

75.50

**Rotor Dc Resistance In Ohms:** 

15.00

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Differential Receiver Synchro - Page 2 of 2



| Stator Dc Resistance In Ohms:                     |
|---|
| 4.00  |
| Phase Shift Angle In Deg:                         |
| 5.200 input to output                             |
| Electrical Error Angular Range In Minutes:        |
| -7.0/+7.0   |
| Actuator Friction Torque At Minus 55 Deg Celsius: |
| 16.00 centimeter-grams                            |
| Actuator Friction Torque At Plus 25 Deg Celsius:  |
| 8.00 centimeter-grams                             |
| Alignment Hole Quantity:                          |
| 4   |
| Pilot Length:                                     |
| 0.0620 inches                                     |
| Shoulder Length:                                  |
| 0.0620 inches                                     |
| Mounting Surface To Terminal End Distance:        |
| Between 1.7120 inches and 1.7130 inches           |
| Terminal Location:                                |
| Rear  |
| Shaft Slot Depth:                                 |
| 0.0300 inches single shaft                        |
| Shaft Slot Width:                                 |
| 0.0250 inches single shaft                        |
| Shaft Type:                                       |
| Round, slotted single shaft                       |
| Alignment Hole Depth:                             |
| 0.1120 inches                                     |
| Transformation Ratio:                             |
| 0.925 rotor to stator                             |
| Alignment Hole Bolt Circle Diameter:              |
| 0.8120 inches                                     |
| Terminal Type And Quantity:                       |
| 6 tab, solder lug                                 |
| Shelf Life:                                       |
| N/a   |
| Unit Of Measure:                                  |
|   |
| Demilitarization:                                 |
| No  |
| Fiig:   |
| A07800  |