NSN 5990-00-813-5085

Transmitter Synchro - Page 1 of 3



View Online at https://aerobasegroup.com/nsn/5990-00-813-5085

Body Material:
Steel, stainless
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:
2.2910 inches
Flange Diameter:
1.0670 inches
Flange Thickness:
Between 0.0880 inches and 0.0980 inches
Undercut Width:
Between 0.0450 inches and 0.0550 inches
Shaft Diameter:
0.1195 inches single shaft and 0.1200 inches single shaft
Shaft Length:
0.4380 inches single shaft and 0.4420 inches single shaft
Body Size:
11
Rotor Input Voltage Rating In Volts:
26.0
Frequency In Hertz:
400.0
Rotor Input Current Rating:
280.0 milliamperes
Rotor Input Electrical Power Rating:
1.11 watts finished-chamfered
Zro Impedance Magnitude In Ohms:
18.10
Zro Impedance Angle In Deg:
79.50
Zso Impedance Magnitude In Ohms:
107.00
Zso Impedance Angle In Deg:
81.70
Rotor Dc Resistance In Ohms:

3.00

9.00

Stator Dc Resistance In Ohms:

NSN 5990-00-813-5085

Transmitter Synchro - Page 2 of 3



Phase Shift Angle In Deg:

8.000 input to output

Maximum Total Null Voltage Output In Millivolts Per Volt:

26.00

Electrical Error Angular Range In Minutes:

-5.0/+5.0

Actuator Friction Torque At Minus 55 Deg Celsius:

4.0 centimeter-grams

Actuator Friction Torque At Plus 25 Deg Celsius:

16.0 centimeter-grams

Alignment Hole Quantity:

4

Shaft Maximum Radial Play:

0.0005 inches

Shaft End Play:

Between 0.0005 inches and 0.0030 inches

Pilot Length:

0.0570 mils and 0.0670 centimeters

Shoulder Length:

0.0570 mils and 0.0670 centimeters

Mounting Surface To Terminal End Distance:

1.7820 inches

Shaft Maximum Runout:

0.0008 inches

Terminal Location:

Rear

Shaft Slot Depth:

0.0250 inches single shaft and 0.0370 inches single shaft

Shaft Slot Width:

0.0200 inches single shaft and 0.0370 inches single shaft

Shaft Type:

Round, slotted single shaft

Alignment Hole Depth:

Between 0.1200 inches and 0.1300 inches

Transformation Ratio:

0.454 rotor to stator

Alignment Hole Bolt Circle Diameter:

Between 0.8090 inches and 0.8150 inches

Shaft Radial Play Determining Weight:

4.0 ounces

Shaft End Play Determining Weight:

8.0 ounces

Test Data Document:

06481-900141-69 drawing (this is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard or other document that may be referenced in a basic governing drawing)

NSN 5990-00-813-5085 Transmitter Synchro - Page 3 of 3



Terminal Type And Quantity:
5 screw
Shelf Life:
N/a
Unit Of Measure:
Demilitarization:
No
Fiig:

A07800