NSN 5990-00-797-7649

Electrical Resolver - Page 1 of 2



View Online at https://aerobasegroup.com/nsn/5990-00-797-7649

Body Style:

Standard round b

Shoulder Diameter:

Between 0.8118 inches and 0.8123 inches

Pilot Diameter:

Between 0.4995 inches and 0.5000 inches

Overall Length:

1.6690 inches

Flange Diameter:

Between 0.9360 inches and 0.9370 inches

Flange Thickness:

Between 0.0570 inches and 0.0670 inches

Undercut Width:

Between 0.0570 inches and 0.0670 inches

Shaft Diameter:

0.0895 inches single shaft and 0.0900 inches single shaft

Shaft Length:

0.3700 inches single shaft and 0.3800 inches single shaft

Body Size:

10

Rotor Input Voltage Rating In Volts:

26.0

Frequency In Hertz:

400.0

Rotor Input Current Rating:

55.0 milliamperes

Rotor Input Electrical Power Rating:

60.0 milliwatts

Rotor Dc Resistance In Ohms:

200.00

Stator Dc Resistance In Ohms:

42.00

Phase Shift Angle In Deg:

Between 15.000 input to output and 19.000 input to output

Maximum Total Null Voltage Output In Millivolts Per Volt:

60.00

Electrical Error Angular Range In Minutes:

-18.0/+18.0

Actuator Friction Torque At Minus 55 Deg Celsius:

25.00 centimeter-grams

Actuator Friction Torque At Plus 25 Deg Celsius:

7.00 centimeter-grams

NSN 5990-00-797-7649 Electrical Resolver - Page 2 of 2



Shaft Maximum Radial Play:
0.0008 inches
Shaft End Play:
Between 0.0003 inches and 0.0015 inches
Pilot Length:
Between 0.0330 inches and 0.0430 inches
Shoulder Length:
Between 0.0570 inches and 0.0670 inches
Mounting Surface To Terminal End Distance:
Between 1.1110 inches and 1.1210 inches
Terminal Location:
Rear
Shaft Slot Depth:
0.0160 inches single shaft and 0.0310 inches single shaft
Shaft Slot Width:
0.0250 inches single shaft and 0.0270 inches single shaft
Shaft Type:
Round, slotted single shaft
Transformation Ratio:
Between 0.440 stator to rotor and 0.468 stator to rotor
Test Data Document:
56232-714056-2 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)
Terminal Type And Quantity:
7 wire lead
Shelf Life:
N/a
Unit Of Measure:
Demilitarization:
No
Fiig:
A07800