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Body Material:

Steel, corrosion resisting

Body Style:

Standard round b

Shoulder Diameter:

Between 0.9950 inches and 1.0000 inches

Pilot Diameter:

Between 0.6245 inches and 0.6250 inches

Overall Length:

2.4600 inches

Flange Diameter:

1.0620 inches

Flange Thickness:

0.0930 inches

Undercut Width:

0.0500 inches

Shaft Diameter:

0.1195 inches front shaft and 0.1200 inches front shaft

Shaft Length:

0.5010 inches single shaft

Schematic Diagram Designator:

1 y-rotor, 1 stator

End Application:

Velocity pool; ea-6b prowler aircraft

Maximum Temperature Rise:

80.0 degrees celsius

Body Size:

11

Stator Input Voltage Rating In Volts:

11.6

Stator Input Current Rating:

45.0 milliamperes

Stator Input Electrical Power Rating:

75.0 milliwatts

Frequency In Hertz:

400.0

Zro Impedance Magnitude In Ohms:

3340.00

Zro Impedance Angle In Deg:

80.00

Zso Impedance Magnitude In Ohms:

577.00

Zso Impedance Angle In Deg:

80.00

Zrs Impedance Magnitude In Ohms:

659.00

Zrs Impedance Angle In Deg:

30.00

Rotor Dc Resistance In Ohms:

450.00

Stator Dc Resistance In Ohms:

60.00

Phase Shift Angle In Deg:

6.000 input to output

Maximum Fundamental Null Voltage In Millivolts Per Volt:

20.00 output

Maximum Total Null Voltage Output In Millivolts Per Volt:

25.00

Electrical Error Angular Range In Minutes:

-10.0/+10.0

Actuator Friction Torque At Minus 55 Deg Celsius:

16.0 centimeter-grams

Actuator Friction Torque At Plus 25 Deg Celsius:

4.0 centimeter-grams

Shaft Radial Play Test Point:

0.125 inches

Shaft Maximum Radial Play:

0.0008 inches

Shaft End Play:

0.0015 inches

Pilot Length:

0.0620 inches

Shoulder Length:

0.0620 inches

Mounting Surface To Terminal End Distance:

1.8350 inches

Terminal Location:

Rear

Shaft Slot Depth:

0.0220 inches front shaft and 0.0320 inches front shaft

Shaft Slot Width:

0.0220 inches front shaft and 0.0320 inches front shaft

Shaft Type:

Round front shaft

Criticality Code Justification:

Feat

Transformation Ratio:

2.203 rotor to stator

Shaft Radial Play Determining Weight:

4.0 ounces

Shaft End Play Determining Weight:

8.0 ounces

Special Features:

Weapon system essential

Terminal Type And Quantity:

5 screw

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

No

Fig:

A07800