

View Online at <https://aerobasegroup.com/nsn/5990-01-138-7324>

Body Material:

Steel, stainless

Body Style:

Standard round c

Shoulder Diameter:

1.0000 inches

Pilot Diameter:

0.6250 inches

Overall Length:

2.7410 inches

Flange Diameter:

1.0620 inches

Flange Thickness:

0.0930 inches

Undercut Diameter:

0.9750 inches

Undercut Width:

0.0500 inches

Shaft Diameter:

0.1200 inches both shafts

Shaft Length:

0.5000 inches front shaft

Schematic Diagram Designator:

Err-090

Fragility Factor:

Moderately rugged

End Application:

An/fps-85

Maximum Temperature Rise:

15.0 degrees celsius

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:

950.0 allqjaa3.500 finished-chamfered

Zro Impedance Magnitude In Ohms:

107.00

Zro Impedance Angle In Deg:

81.70

Zso Impedance Magnitude In Ohms:

18.10

Zso Impedance Angle In Deg:

79.50

Rotor Dc Resistance In Ohms:

9.00

Stator Dc Resistance In Ohms:

3.00

Phase Shift Angle In Deg:

5.000 input to output

Maximum Fundamental Null Voltage In Millivolts Per Volt:

17.00 output

Maximum Total Null Voltage Output In Millivolts Per Volt:

26.00

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:

0.0005 inches

Shaft End Play:

Between 0.0005 inches and 0.0015 inches

Pilot Length:

0.0620 inches

Shoulder Length:

0.0620 inches

Mounting Surface To Terminal End Distance:

1.7680 inches

Shaft Maximum Runout:

0.0010 inches

Terminal Location:

Rear

Shaft Slot Depth:

0.0300 inches both shafts

Shaft Slot Width:

0.0250 inches both shafts

Shaft Type:

Round, slotted both shafts

Transformation Ratio:

0.454 stator to rotor

Shaft Radial Play Determining Weight:

4.0 ounces

Shaft End Play Determining Weight:

16.0 ounces

Terminal Type And Quantity:

5 wire lead

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

No

Fig:

A07800