

View Online at <https://aerobasegroup.com/nsn/5990-00-810-9557>

Body Material:

Any acceptable

Body Style:

Standard round c

Shoulder Diameter:

Between 0.9995 inches and 1.0000 inches

Pilot Diameter:

Between 0.6245 inches and 0.6250 inches

Overall Length:

2.2650 inches

Flange Diameter:

Between 1.0570 inches and 1.0650 inches

Flange Thickness:

Between 0.0900 inches and 0.0960 inches

Undercut Diameter:

Between 0.9700 inches and 0.9800 inches

Undercut Width:

Between 0.0450 inches and 0.0550 inches

Shaft Diameter:

0.1195 inches front shaft and 0.1200 inches front shaft

Shaft Length:

0.4600 inches front shaft and 0.5640 inches front shaft

Maximum Temperature Rise:

15.0 degrees celsius

Body Size:

11

Rotor Input Voltage Rating In Volts:

115.0

Frequency In Hertz:

400.0

Rotor Input Current Rating:

60.0 milliamperes

Rotor Input Electrical Power Rating:

880.0 milliwatts

Zro Resistance In Ohms:

295.00

Zso Resistance In Ohms:

171.00

Zrs Resistance In Ohms:

356.00

Zso-9 Designator Resistance In Ohms:

113.00

Zro Impedance Magnitude In Ohms:

2210.00

Zro Impedance Angle In Deg:

82.30

Zso Impedance Magnitude In Ohms:

1130.00

Zso Impedance Angle In Deg:

81.30

Zrs Impedance Magnitude In Ohms:

395.00

Zrs Impedance Angle In Deg:

25.80

Err Default:

Err default

Err Default:

Err default

Rotor Dc Resistance In Ohms:

Between 135.15 and 182.85

Stator Dc Resistance In Ohms:

Between 116.45 and 157.55

Phase Shift Angle In Deg:

4.000 input to output

Maximum Fundamental Null Voltage In Millivolts Per Volt:

59.00 output

Maximum Total Null Voltage Output In Millivolts Per Volt:

94.00

Electrical Error Angular Range In Minutes:

-10.0/+10.0

Actuator Friction Torque At Minus 55 Deg Celsius:

16.00 centimeter-grams

Actuator Friction Torque At Plus 25 Deg Celsius:

4.00 centimeter-grams

Pilot Length:

Between 0.0590 inches and 0.0650 inches

Shoulder Length:

Between 0.0590 inches and 0.0650 inches

Mounting Surface To Terminal End Distance:

1.7650 inches

Terminal Location:

Rear

Plus J Zro Reactance In Ohms:

2190.00

Shaft Slot Depth:

0.0300 inches front shaft

Plus J Zso Reactance In Ohms:

1120.00

Shaft Slot Width:

0.0250 inches front shaft

Plus J Zrs Reactance In Ohms:

172.00

Shaft Type:

Round, slotted front shaft

Transformation Ratio:

Between 0.752 rotor to stator and 0.814 rotor to stator

Plus J Zso-9 Designator Reactance In Ohms:

335.00

Terminal Type And Quantity:

5 wire lead

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

No

Fig:

A07800