

View Online at <https://aerobasegroup.com/nsn/5990-00-455-4864>

Body Material:

Steel, corrosion resisting

Body Style:

Standard round a

Pilot Diameter:

Between 0.4995 inches and 0.5000 inches

Overall Length:

1.2800 inches

Flange Diameter:

Between 0.7450 inches and 0.7550 inches

Flange Thickness:

Between 0.0590 inches and 0.0650 inches

Undercut Diameter:

Between 0.6880 inches and 0.6910 inches

Undercut Width:

Between 0.0590 inches and 0.0650 inches

Shaft Diameter:

0.1195 inches single shaft and 0.1200 inches single shaft

Shaft Length:

0.6250 inches single shaft

Schematic Diagram Designator:

1 rotor, 1 stator

Body Size:

8

Stator Input Voltage Rating In Volts:

26.0

Stator Input Current Rating:

32.0 milliamperes

Stator Input Electrical Power Rating:

133.0 milliwatts

Frequency In Hertz:

400.0

Zro Resistance In Ohms:

Between 178.00 and 242.00

Zso Resistance In Ohms:

Between 132.00 and 178.00

Zrs Resistance In Ohms:

Between 229.00 and 311.00

Zss Resistance In Ohms:

Between 153.00 and 207.00

Zro Impedance Magnitude In Ohms:

1420.00

Zro Impedance Angle In Deg:

81.64

Zso Impedance Magnitude In Ohms:

931.00

Zso Impedance Angle In Deg:

80.50

Zrs Impedance Magnitude In Ohms:

317.00

Zrs Impedance Angle In Deg:

31.40

Zss Impedance Magnitude In Ohms:

208.00

Zss Impedance Angle In Deg:

30.30

Rotor Dc Resistance In Ohms:

Between 119.00 and 163.00

Stator Dc Resistance In Ohms:

Between 9.00 and 121.00

Phase Shift Angle In Deg:

6.500 input to output

Maximum Fundamental Null Voltage In Millivolts Per Volt:

0.012 output

Maximum Total Null Voltage Output In Millivolts Per Volt:

0.02

Electrical Error Angular Range In Minutes:

-12.75/+12.75

Actuator Friction Torque At Minus 55 Deg Celsius:

9.0 centimeter-grams

Actuator Friction Torque At Plus 25 Deg Celsius:

3.0 centimeter-grams

Shaft Radial Play Test Point:

0.125 inches

Shaft Maximum Radial Play:

0.0008 inches

Shaft End Play:

Between 0.0005 inches and 0.0015 inches

Pilot Length:

Between 0.0380 inches and 0.0430 inches

Mounting Surface To Terminal End Distance:

1.2400 inches

Shaft Maximum Runout:

0.0010 inches

Terminal Location:

Rear

Plus J Zro Reactance In Ohms:

1540.00

Shaft Slot Depth:

0.0250 inches single shaft and 0.0350 inches single shaft

Plus J Zso Reactance In Ohms:

18.00

Shaft Slot Width:

0.0200 inches single shaft and 0.0300 inches single shaft

Plus J Zrs Reactance In Ohms:

Between 140.00 and 190.00

Shaft Type:

Round, slotted single shaft

Plus J Zss Reactance In Ohms:

Between 89.00 and 121.00

Transformation Ratio:

Between 1.104 rotor to stator and 1.172 rotor to stator

Shaft Radial Play Determining Weight:

4.0 ounces

Shaft End Play Determining Weight:

8.0 ounces

Terminal Type And Quantity:

4 wire lead

Shelf Life:

N/a

Unit Of Measure:

--

Demilitarization:

No

Fiig:

A07800