

View Online at <https://aerobasegroup.com/nsn/5990-00-010-8176>

Body Material:

Steel, stainless

Body Style:

Standard round a

Pilot Diameter:

0.5000 inches

Overall Length:

1.9050 inches

Flange Diameter:

0.7500 inches

Flange Thickness:

0.0620 inches

Undercut Diameter:

0.6910 inches

Undercut Width:

0.0620 inches

Shaft Diameter:

0.1250 inches single shaft

Shaft Length:

0.4310 inches single shaft

Schematic Diagram Designator:

2 rotor, 1 stator

Fragility Factor:

Moderately rugged

End Application:

5841-00-403-7520

Body Size:

8

Rotor Input Voltage Rating In Volts:

26.0

Frequency In Hertz:

400.0

Rotor Input Current Rating:

45.0 milliamperes

Rotor Input Electrical Power Rating:

280.0 milliwatts

Zro Resistance In Ohms:

137.00

Zso Resistance In Ohms:

30.20

Zrs Resistance In Ohms:

193.00

Zss Impedance Magnitude In Ohms:

50.00

Zss Impedance Angle In Deg:

21.60

Rotor Dc Resistance In Ohms:

130.00

Stator Dc Resistance In Ohms:

22.70

Phase Shift Angle In Deg:

11.000 input to output

Maximum Total Null Voltage Output In Millivolts Per Volt:

20.00

Electrical Error Angular Range In Minutes:

-8.0/+8.0

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

Terminal Designator And Schematic Position:

Connection r1 position a and connection r2 position b and connection s1 position h and connection s2 position f and connection s3 position j and connection s4 position e

Pilot Length:

0.0400 inches

Mounting Surface To Terminal End Distance:

1.4200 inches

Shaft Maximum Runout:

0.0010 inches

Terminal Location:

Side

Plus J Zro Reactance In Ohms:

558.00

Plus J Zso Reactance In Ohms:

137.00

Plus J Zrs Reactance In Ohms:

70.00

Shaft Type:

Round single shaft

Transformation Ratio:

0.436 stator to rotor

Shaft Radial Play Determining Weight:

4.0 ounces

Shaft End Play Determining Weight:

8.0 ounces

Terminal Type And Quantity:

6 wire lead

Shelf Life:

N/a

Unit Of Measure:

--

Demilitarization:

No

Fiig:

A07800