

View Online at <https://aerobasegroup.com/nsn/5990-01-106-3786>

Body Material:

Steel, corrosion resisting

Body Style:

Standard round c

Shoulder Diameter:

1.0000 inches

Pilot Diameter:

0.6250 inches

Overall Length:

2.6440 inches

Flange Diameter:

1.0620 inches

Flange Thickness:

0.0930 inches

Undercut Diameter:

0.9750 inches

Undercut Width:

0.0620 inches

Shaft Diameter:

0.1200 inches single shaft

Shaft Length:

0.5000 inches single shaft

Schematic Diagram Designator:

D1 2 rotor, 2 stator

Fragility Factor:

Moderately rugged

Maximum Temperature Rise:

5.0 degrees fahrenheit

Body Size:

11

Stator Input Voltage Rating In Volts:

11.8

Stator Input Current Rating:

6.0 milliamperes

Stator Input Electrical Power Rating:

11.0 milliwatts

Frequency In Hertz:

400.0

Zro Resistance In Ohms:

1760.00

Zso Resistance In Ohms:

375.00

Zrs Resistance In Ohms:

1790.00

Rotor Dc Resistance In Ohms:

1200.00

Stator Dc Resistance In Ohms:

170.00

Transformation Ratio Equality In Percent:

0.25

Phase Shift Angle In Deg:

8.500 output to input

Maximum Fundamental Null Voltage In Millivolts Per Volt:

15.00 input

Maximum Total Null Voltage Output In Millivolts Per Volt:

20.00

Electrical Error Angular Range In Minutes:

-10.0/+10.0

Actuator Friction Torque At Minus 55 Deg Celsius:

0.30 inch-ounces

Actuator Friction Torque At Plus 25 Deg Celsius:

0.10 inch-ounces

Alignment Hole Quantity:

4

Shaft Radial Play Test Point:

0.125 inches

Shaft Maximum Radial Play:

0.0010 inches

Shaft End Play:

Between 0.0001 inches and 0.0015 inches

Terminal Designator And Schematic Position:

Connection r1 position g and connection r2 position e and connection r3 position h and connection r4 position f and connection s1 position a and connection s2 position c and connection s3 position b and connection s4 position d

Pilot Length:

0.0620 inches

Shoulder Length:

0.0620 inches

Mounting Surface To Terminal End Distance:

2.0670 inches

Shaft Maximum Runout:

0.0008 inches

Terminal Location:

Rear

Plus J Zro Reactance In Ohms:

7530.00

Shaft Slot Depth:

0.0250 inches single shaft

Plus J Zso Reactance In Ohms:

2050.00

Shaft Slot Width:

0.0200 inches single shaft

Plus J Zrs Reactance In Ohms:

670.00

Shaft Type:

Round, slotted single shaft

Alignment Hole Depth:

0.1250 inches

Transformation Ratio:

1.713 rotor to stator

Alignment Hole Bolt Circle Diameter:

0.8120 inches

Shaft Radial Play Determining Weight:

8.0 ounces

Shaft End Play Determining Weight:

16.0 ounces

Terminal Type And Quantity:

6 screw

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

Yes - demil/mli

Fig:

A07800