

View Online at <https://aerobasegroup.com/nsn/5990-01-025-7464>

Body Material:

Steel, corrosion resisting

Body Style:

Standard round a

Pilot Diameter:

Between 1.8740 inches and 1.8750 inches

Overall Length:

1.6530 inches

Flange Diameter:

Between 1.9950 inches and 2.0050 inches

Flange Thickness:

Between 0.0880 inches and 0.0980 inches

Undercut Diameter:

1.8750 inches

Undercut Width:

0.0730 inches

Shaft Diameter:

0.0895 inches single shaft and 0.0900 inches single shaft

Shaft Length:

0.4100 inches single shaft and 0.4400 inches single shaft

Schematic Diagram Designator:

Err-090

Fragility Factor:

Moderately rugged

Maximum Temperature Rise:

10.0 degrees celsius

Body Size:

20

Stator Input Voltage Rating In Volts:

20.0

Stator Input Current Rating:

30.0 milliamperes

Frequency In Hertz:

400.0

Zro Impedance Magnitude In Ohms:

500.00

Zso Impedance Magnitude In Ohms:

500000.00

Zso Impedance Angle In Deg:

35.00

Transformation Ratio Equality In Percent:

0.1

Compensation Method:

Winding compensated

Phase Shift Angle In Deg:

0.100 input to output

Maximum Fundamental Null Voltage In Millivolts Per Volt:

20.00 input

Maximum Total Null Voltage Output In Millivolts Per Volt:

25.00

Interaxis Error Angular Range In Minutes:

-3.0/+3.0

Output Voltage Functional Error Range In Percent:

-0.1/+0.1

Electrical Error Angular Range In Minutes:

-3.0/+3.0

Actuator Friction Torque At Minus 55 Deg Celsius:

30.0 centimeter-grams

Actuator Friction Torque At Plus 25 Deg Celsius:

15.0 centimeter-grams

Shaft Radial Play Test Point:

0.250 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 h and connection r2 position g and connection r3 position e and connection r4 position j and connection s1 position l and connection s2 position m and connection s3 position k and connection s4 position n and connection c1 position d and connection c2 position c and connection c3 position a and connection c4 position b

Pilot Length:

0.0380 mils and 0.0480 centimeters

Mounting Surface To Terminal End Distance:

1.1650 inches

Shaft Maximum Runout:

0.0010 inches

Terminal Location:

Side

Shaft Type:

Round single shaft

Transformation Ratio:

1.000 rotor to stator

Shaft Radial Play Determining Weight:

4.0 ounces

Shaft End Play Determining Weight:

8.0 ounces

Terminal Type And Quantity:

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

No

Fiig:

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