

View Online at <https://aerobasegroup.com/nsn/5990-01-093-8328>

Body Material:

Steel, corrosion resisting

Body Style:

Standard round d

Shoulder Diameter:

2.7000 inches

Pilot Diameter:

0.5950 inches

Second Shoulder Diameter:

2.7500 inches

Second Shoulder Length:

0.3750 inches

Overall Length:

5.1150 inches

Flange Diameter:

3.1000 inches

Flange Thickness:

0.2500 inches

Body Diameter:

2.7000 inches

Shaft Diameter:

0.2405 inches single shaft

Shaft Length:

0.7000 inches single shaft

Schematic Diagram Designator:

Err-090

Fragility Factor:

Moderately rugged

Maximum Temperature Rise:

20.0 degrees celsius

Body Size:

31

Rotor Input Voltage Rating In Volts:

115.0

Frequency In Hertz:

400.0

Rotor Input Current Rating:

950.0 milliamperes

Rotor Input Electrical Power Rating:

8.3 watts

Zro Impedance Magnitude In Ohms:

Between 121.00 and 166.00

Zro Impedance Angle In Deg:

Between 82.00 and 87.00

Zss Impedance Magnitude In Ohms:

Between 3.40 and 5.90

Zss Impedance Angle In Deg:

Between 51.00 and 72.00

Phase Shift Angle In Deg:

1.500 input to output

Maximum Fundamental Null Voltage In Millivolts Per Volt:

35.00 input

Maximum Total Null Voltage Output In Millivolts Per Volt:

100.00

Electrical Error Angular Range In Minutes:

-8.0/+8.0

Spline Tooth Quantity:

22 single shaft

Actuator Friction Torque At Plus 25 Deg Celsius:

0.50 inch-ounces

Shaft Radial Play Test Point:

0.125 inches

Shaft Maximum Radial Play:

0.0008 inches

Shaft End Play:

0.0030 inches

Pilot Length:

0.0300 inches

Shoulder Length:

0.3750 inches

Aft Of First Flange Diameter:

2.7500 inches

Mounting Surface To Terminal End Distance:

3.3800 inches

Spline Tooth Diametral Pitch:

96 single shaft

Shaft Maximum Runout:

0.0008 inches

Shaft Thread Series Designator:

Unf single shaft

Shaft Thread Direction:

Right-hand single shaft

Shaft Thread Class:

2a single shaft

Terminal Location:

Rear

Shaft Thread Length:

0.3200 inches single shaft

Shaft Type:

Spline w/threads single shaft

Transformation Ratio:

0.783 rotor to stator

Shaft Thread Size:

0.250 inches single shaft

Shaft Radial Play Determining Weight:

16.0 ounces

Shaft End Play Determining Weight:

16.0 ounces

Terminal Type And Quantity:

5 screw

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

No

Fig:

A07800