

View Online at <https://aerobasegroup.com/nsn/5990-01-114-5095>

Body Material:

Steel, corrosion resisting

Body Style:

Standard round d

Shoulder Diameter:

1.9900 inches

Pilot Diameter:

0.5950 inches

Second Shoulder Diameter:

1.9995 inches

Second Shoulder Length:

0.1700 inches

Overall Length:

4.2140 inches

Flange Diameter:

2.2500 inches

Flange Thickness:

0.2500 inches

Body Diameter:

1.9900 centimeters

Shaft Diameter:

0.2405 inches single shaft

Shaft Length:

0.6760 inches single shaft

Schematic Diagram Designator:

Err-090

Fragility Factor:

Moderately rugged

End Application:

05g0073-001

Maximum Temperature Rise:

35.0 degrees celsius

Body Size:

23

Rotor Input Voltage Rating In Volts:

115.0

Frequency In Hertz:

60.0

Rotor Input Current Rating:

210.0 milliamperes

Rotor Input Electrical Power Rating:

5.6 watts finished-chamfered

Zss Impedance Magnitude In Ohms:

127.50

Zss Impedance Angle In Deg:

13.50

Rotor Dc Resistance In Ohms:

95.00

Stator Dc Resistance In Ohms:

106.00

Phase Shift Angle In Deg:

11.000 input to output

Maximum Fundamental Null Voltage In Millivolts Per Volt:

60.00 output

Maximum Total Null Voltage Output In Millivolts Per Volt:

160.00

Electrical Error Angular Range In Minutes:

-8.0/+8.0

Spline Tooth Quantity:

22 single shaft

Receiver Error Angular Range In Minutes:

-45.0/+45.0

Actuator Friction Torque At Plus 25 Deg Celsius:

0.20 inch-ounces

Torque Gradient Per Angular Deg:

0.120 inch-ounces

Shaft Radial Play Test Point:

0.125 inches

Shaft Maximum Radial Play:

0.0010 inches

Shaft End Play:

Between 0.0005 inches and 0.0045 inches

Pilot Length:

0.0430 inches

Shoulder Length:

0.1070 inches

Aft Of First Flange Diameter:

1.9995 inches

Mounting Surface To Terminal End Distance:

3.5850 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:

0.3000 inches single shaft

Shaft Type:

Spline w/threads single shaft

Transformation Ratio:

0.783 stator to rotor

Shaft Thread Size:

0.250 inches single shaft

Shaft Radial Play Determining Weight:

8.0 ounces

Shaft End Play Determining Weight:

16.0 ounces

Terminal Type And Quantity:

7 screw

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

No

Fig:

A07800