

View Online at <https://aerobasegroup.com/nsn/5990-00-901-8709>

Body Material:

Steel, stainless

Body Style:

Standard round c

Shoulder Diameter:

Between 0.9995 inches and 1.0000 inches

Pilot Diameter:

Between 0.4995 inches and 0.5000 inches

Overall Length:

2.2256 inches

Flange Diameter:

Between 1.0610 inches and 1.0620 inches

Flange Thickness:

Between 0.0880 inches and 0.0980 inches

Undercut Diameter:

Between 0.9995 inches and 1.0000 inches

Undercut Width:

Between 0.0450 inches and 0.0550 inches

Shaft Diameter:

0.1195 inches single shaft and 0.1200 inches single shaft

Shaft Length:

0.3590 inches single shaft and 0.3910 inches single shaft

Schematic Diagram Designator:

Err-090

Body Size:

11

Stator Input Voltage Rating In Volts:

11.8

Stator Input Current Rating:

18.2 milliamperes

Stator Input Electrical Power Rating:

30.0 milliwatts

Frequency In Hertz:

400.0

Zro Resistance In Ohms:

650.00

Zso Resistance In Ohms:

90.00

Zrs Resistance In Ohms:

605.00

Rotor Dc Resistance In Ohms:

365.00

Stator Dc Resistance In Ohms:

59.00

Phase Shift Angle In Deg:

4.000 input to output

Maximum Fundamental Null Voltage In Millivolts Per Volt:

30.00 output

Electrical Error Angular Range In Minutes:

-7.0/+7.0

Actuator Friction Torque At Plus 25 Deg Celsius:

3.0 centimeter-grams

Alignment Hole Quantity:

4

Shaft Maximum Radial Play:

0.0005 inches

Shaft End Play:

Between 0.0003 inches and 0.0008 inches

Pilot Length:

0.0590 mils and 0.0650 centimeters

Shoulder Length:

0.0590 mils and 0.0650 centimeters

Mounting Surface To Terminal End Distance:

1.8350 inches

Shaft Maximum Runout:

0.0010 inches

Terminal Location:

Rear

Plus J Zro Reactance In Ohms:

3000.00

Shaft Slot Depth:

0.0220 inches single shaft and 0.0320 inches single shaft

Plus J Zso Reactance In Ohms:

550.00

Shaft Slot Width:

0.0220 inches single shaft and 0.0320 inches single shaft

Plus J Zrs Reactance In Ohms:

295.00

Shaft Type:

Round, slotted single shaft

Alignment Hole Depth:

0.0700 inches

Alignment Hole Bolt Circle Diameter:

Between 0.8090 inches and 0.8150 inches

Shaft Radial Play Determining Weight:

4.0 ounces

Terminal Type And Quantity:

5 screw

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

No

Fiig:

A07800