

View Online at <https://aerobasegroup.com/nsn/5990-01-043-3400>

Body Material:

Steel, corrosion resisting

Body Style:

Standard round a

Pilot Diameter:

0.5000 inches

Overall Length:

1.6560 inches

Flange Diameter:

0.7500 inches

Flange Thickness:

0.0620 inches

Undercut Diameter:

0.6910 inches

Undercut Width:

0.0620 inches

Shaft Diameter:

0.0900 inches single shaft

Shaft Length:

0.3320 inches single shaft

Schematic Diagram Designator:

Err-090

Fragility Factor:

Moderately rugged

End Application:

2040-01-032-9085

Body Size:

8

Stator Input Voltage Rating In Volts:

90.0

Stator Input Current Rating:

28.0 milliamperes

Stator Input Electrical Power Rating:

750.0 milliwatts

Frequency In Hertz:

400.0

Zro Resistance In Ohms:

810.00

Zso Resistance In Ohms:

470.00

Rotor Dc Resistance In Ohms:

365.00

Stator Dc Resistance In Ohms:

742.00

Maximum Fundamental Null Voltage In Millivolts Per Volt:

100.00 input

Maximum Total Null Voltage Output In Millivolts Per Volt:

125.00

Electrical Error Angular Range In Minutes:

-10.0/+10.0

Actuator Friction Torque At Minus 55 Deg Celsius:

5.0 centimeter-grams

Actuator Friction Torque At Plus 25 Deg Celsius:

14.0 centimeter-grams

Shaft Radial Play Test Point:

0.125 inches

Shaft Maximum Radial Play:

0.0005 inches

Shaft End Play:

Between 0.0003 inches and 0.0008 inches

Pilot Length:

0.0430 inches

Mounting Surface To Terminal End Distance:

1.2410 inches

Shaft Maximum Runout:

0.0010 inches

Terminal Location:

Rear

Plus J Zro Reactance In Ohms:

2700.00

Shaft Slot Depth:

0.0300 inches single shaft

Plus J Zso Reactance In Ohms:

1770.00

Shaft Slot Width:

0.0300 inches single shaft

Shaft Type:

Round, slotted single shaft

Shaft Radial Play Determining Weight:

4.0 ounces

Shaft End Play Determining Weight:

8.0 ounces

Terminal Type And Quantity:

5 wire lead

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

No

Fig:

A07800