

View Online at <https://aerobasegroup.com/nsn/5990-01-030-0793>

Body Material:

Steel, corrosion resisting

Body Style:

Standard round c

Shoulder Diameter:

Between 0.9995 inches and 1.0000 inches

Pilot Diameter:

0.7500 inches

Overall Length:

2.6470 inches

Flange Diameter:

Between 1.0570 inches and 1.0650 inches

Flange Thickness:

Between 0.0900 inches and 0.0960 inches

Undercut Diameter:

0.9800 inches

Undercut Width:

0.0450 inches

Shaft Diameter:

0.1195 inches single shaft and 0.1200 inches single shaft

Shaft Length:

0.3080 inches single shaft and 0.3200 inches single shaft

Schematic Diagram Designator:

Err-090

Fragility Factor:

Moderately rugged

Maximum Temperature Rise:

2.0 degrees celsius

Body Size:

11

Stator Input Voltage Rating In Volts:

90.0

Stator Input Current Rating:

18.0 milliamperes

Stator Input Electrical Power Rating:

13.9 milliwatts

Frequency In Hertz:

400.0

Zro Resistance In Ohms:

625.00

Zso Resistance In Ohms:

875.00

Zrs Resistance In Ohms:

625.00

Rotor Dc Resistance In Ohms:

385.00

Stator Dc Resistance In Ohms:

555.00

Phase Shift Angle In Deg:

4.500 input to output

Maximum Fundamental Null Voltage In Millivolts Per Volt:

59.00 output

Maximum Total Null Voltage Output In Millivolts Per Volt:

94.00

Electrical Error Angular Range In Minutes:

-10.0/+10.0

Actuator Friction Torque At Minus 55 Deg Celsius:

16.0 centimeter-grams

Actuator Friction Torque At Plus 25 Deg Celsius:

4.0 centimeter-grams

Shaft End Play:

Between 0.0005 inches and 0.0015 inches

Pilot Length:

0.0650 inches

Shoulder Length:

Between 0.0590 inches and 0.0650 inches

Mounting Surface To Terminal End Distance:

1.8120 inches

Shaft Maximum Runout:

0.0008 inches

Terminal Location:

Rear

Plus J Zro Reactance In Ohms:

3280.00

Plus J Zso Reactance In Ohms:

5400.00

Plus J Zrs Reactance In Ohms:

352.00

Shaft Type:

Round single shaft

Transformation Ratio:

735.000 rotor to stator

Shaft End Play Determining Weight:

4.0 ounces

Terminal Type And Quantity:

5 pin

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

No

Fiig:

A07800