

View Online at <https://aerobasegroup.com/nsn/5990-01-069-0365>

Body Material:

Aluminum

Body Style:

Standard round a

Pilot Diameter:

Between 0.4995 inches and 0.5000 inches

Overall Length:

1.7610 inches

Flange Diameter:

Between 0.7490 inches and 0.7500 inches

Flange Thickness:

0.0620 inches

Undercut Diameter:

Between 0.6880 inches and 0.6910 inches

Undercut Width:

0.0620 inches

Shaft Diameter:

0.0860 inches single shaft and 0.0900 inches single shaft

Shaft Length:

0.4570 inches single shaft

Schematic Diagram Designator:

Err-090

Fragility Factor:

Moderately rugged

Body Size:

8

Stator Input Voltage Rating In Volts:

26.0

Stator Input Current Rating:

12.0 milliamperes

Stator Input Electrical Power Rating:

67.0 milliwatts

Rotor Input Voltage Rating In Volts:

26.0

Frequency In Hertz:

400.0

Rotor Input Current Rating:

13.7 milliamperes

Rotor Input Electrical Power Rating:

107.0 allqjaa3.500 finished-chamfered

Zro Resistance In Ohms:

595.00

Zso Resistance In Ohms:

475.00

Zrs Resistance In Ohms:

800.00

Rotor Dc Resistance In Ohms:

510.00

Stator Dc Resistance In Ohms:

403.00

Phase Shift Angle In Deg:

10.300 input to output

Maximum Total Null Voltage Output In Millivolts Per Volt:

30.00

Electrical Error Angular Range In Minutes:

-7.0/+7.0

Actuator Friction Torque At Minus 55 Deg Celsius:

8.0 centimeter-grams

Actuator Friction Torque At Plus 25 Deg Celsius:

3.0 centimeter-grams

Shaft Maximum Radial Play:

0.0005 inches

Shaft End Play:

Between 0.0003 inches and 0.0008 inches

Terminal Designator And Schematic Position:

Connection r1 position a and connection r2 position c and connection r3 position b and connection s1 position h and connection s2 position f and connection s3 position j and connection s4 position e

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:

1800.00

Shaft Slot Depth:

0.0250 inches single shaft

Plus J Zso Reactance In Ohms:

2170.00

Shaft Slot Width:

0.0200 inches single shaft

Plus J Zrs Reactance In Ohms:

175.00

Shaft Type:

Round, slotted single shaft

Transformation Ratio:

0.853 rotor to stator

Terminal Type And Quantity:

7 wire lead

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

Yes - demil/mli

Fig:

A07800