

View Online at <https://aerobasegroup.com/nsn/5990-00-010-1413>

Body Material:

Steel, stainless

Body Style:

Standard round c

Shoulder Diameter:

Between 0.9995 inches and 1.0000 inches

Pilot Diameter:

Between 0.6245 inches and 0.6250 inches

Overall Length:

Between 1.9800 inches and 2.0100 inches

Flange Diameter:

Between 1.0590 inches and 1.0620 inches

Flange Thickness:

Between 0.0900 inches and 0.0960 inches

Undercut Diameter:

0.9750 inches

Undercut Width:

0.0500 inches

Shaft Diameter:

0.0800 inches single shaft and 0.0810 inches single shaft

Shaft Length:

0.3600 inches single shaft and 0.3900 inches single shaft

Shaft Undercut Width:

0.0300 inches single shaft

Fragility Factor:

Moderately rugged

Body Size:

11

Rotor Input Voltage Rating In Volts:

26.0

Frequency In Hertz:

400.0

Rotor Input Current Rating:

120.0 milliamperes

Rotor Input Electrical Power Rating:

600.0 milliwatts

Zro Resistance In Ohms:

44.00

Zso Resistance In Ohms:

57.00

Rotor Dc Resistance In Ohms:

18.00

Stator Dc Resistance In Ohms:

9.30

Phase Shift Angle In Deg:

4.000 input to output

Maximum Total Null Voltage Output In Millivolts Per Volt:

25.00

Electrical Error Angular Range In Minutes:

-15.0/+15.0

Actuator Friction Torque At Minus 55 Deg Celsius:

1.8 centimeter-grams

Actuator Friction Torque At Plus 25 Deg Celsius:

0.6 centimeter-grams

Torque Gradient Per Angular Deg:

2000.0 millimeter-milligrams

Alignment Hole Quantity:

4

Pilot Length:

Between 0.0590 inches and 0.0650 inches

Shoulder Length:

Between 0.0590 inches and 0.0650 inches

Mounting Surface To Terminal End Distance:

1.6200 inches

Shaft Thread Series Designator:

Unf single shaft

Shaft Thread Direction:

Right-hand single shaft

Shaft Thread Class:

3a single shaft

Terminal Location:

Rear

Plus J Zro Reactance In Ohms:

243.00

Plus J Zso Reactance In Ohms:

28.00

Shaft Tapered End Minor Diameter:

0.0780 inches single shaft

Shaft Type:

Round, tapered, threaded, undercut single shaft

Alignment Hole Depth:

0.0900 inches

Transformation Ratio:

0.454 rotor to stator

Shaft Taper Angle In Deg:

3.0 single shaft

Shaft Tip Length:

0.0650 inches single shaft

Alignment Hole Bolt Circle Diameter:

Between 0.8090 inches and 0.8150 inches

Shaft Taper Length:

0.1370 inches single shaft

Shaft Thread Size:

0.060 inches single shaft

Shaft Undercut Diameter:

0.0440 inches single shaft and 0.0460 inches single shaft

Terminal Type And Quantity:

5 wire lead

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

No

Fiig:

A07800