

View Online at <https://aerobasegroup.com/nsn/5990-01-027-5433>

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:

Between 2.6130 inches and 2.6370 inches

Flange Diameter:

Between 1.0570 inches and 1.0600 inches

Flange Thickness:

Between 0.0900 inches and 0.0960 inches

Undercut Diameter:

Between 0.9995 inches and 1.0000 inches

Undercut Width:

0.0450 inches

Shaft Diameter:

0.1195 inches single shaft and 0.1200 inches single shaft

Shaft Length:

0.3200 inches single shaft and 0.3260 inches single shaft

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:

166.0 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:

Between 327.25 and 442.75

Stator Dc Resistance In Ohms:

Between 471.75 and 635.25

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:

-6.0/+6.0

Actuator Friction Torque At Minus 55 Deg Celsius:

16.0 centimeter-grams

Actuator Friction Torque At Plus 25 Deg Celsius:

4.0 centimeter-grams

Pilot Length:

0.0650 inches

Shoulder Length:

Between 0.0590 inches and 0.0650 inches

Mounting Surface To Terminal End Distance:

1.8120 inches

Terminal Location:

Rear

Plus J Zro Reactance In Ohms:

3280.00

Shaft Slot Depth:

0.0350 inches single shaft

Plus J Zso Reactance In Ohms:

5400.00

Shaft Slot Width:

0.0300 inches single shaft

Plus J Zrs Reactance In Ohms:

352.00

Shaft Type:

Round, slotted single shaft

Transformation Ratio:

Between 0.706 rotor to stator and 0.764 rotor to stator

Terminal Type And Quantity:

5 wire lead

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

No

Fig:

A07800