

View Online at <https://aerobasegroup.com/nsn/5990-00-073-1760>

Body Material:

Steel, corrosion resisting

Body Style:

Standard round c

Shoulder Diameter:

1.0000 inches

Pilot Diameter:

0.5000 inches

Overall Length:

1.6280 inches

Flange Diameter:

0.9370 inches

Flange Thickness:

0.1250 inches

Undercut Diameter:

0.8123 inches

Undercut Width:

0.0620 inches

Shaft Diameter:

0.0900 inches single shaft

Shaft Length:

0.4130 inches single shaft

Fragility Factor:

Moderately rugged

Body Size:

10

Stator Input Voltage Rating In Volts:

11.8

Stator Input Current Rating:

42.0 milliamperes

Stator Input Electrical Power Rating:

103.0 milliwatts

Frequency In Hertz:

400.0

Zro Resistance In Ohms:

85.40

Zso Resistance In Ohms:

77.60

Zrs Resistance In Ohms:

84.30

Rotor Dc Resistance In Ohms:

75.50

Stator Dc Resistance In Ohms:

41.00

Phase Shift Angle In Deg:

10.800 output to input

Maximum Total Null Voltage Output In Millivolts Per Volt:

30.00

Electrical Error Angular Range In Minutes:

-7.0 to 7.0

Actuator Friction Torque At Minus 55 Deg Celsius:

6.0 centimeter-grams

Actuator Friction Torque At Plus 25 Deg Celsius:

3.0 centimeter-grams

Alignment Hole Quantity:

3

Pilot Length:

0.0380 inches

Shoulder Length:

0.0620 inches

Mounting Surface To Terminal End Distance:

1.2400 inches

Terminal Location:

Rear

Plus J Zro Reactance In Ohms:

281.00

Shaft Slot Depth:

0.0300 inches single shaft

Plus J Zso Reactance In Ohms:

363.00

Shaft Slot Width:

0.0200 inches single shaft

Plus J Zrs Reactance In Ohms:

31.10

Shaft Type:

Round, slotted single shaft

Alignment Hole Depth:

0.1000 inches

Criticality Code Justification:

Feat

Transformation Ratio:

1.041 stator to rotor

Alignment Hole Bolt Circle Diameter:

0.6780 inches

Special Features:

Resolver is critical for fit form and function tolerance and application for the amplifier power supply for the e-3 aircraft

Terminal Type And Quantity:

5 wire lead

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

No

Fiig:

A07800