

View Online at <https://aerobasegroup.com/nsn/5990-01-110-3644>

Body Material:

Steel, stainless

Body Style:

Standard round a

Pilot Diameter:

0.5000 inches

Overall Length:

1.6300 inches

Flange Diameter:

0.7500 inches

Flange Thickness:

0.0620 inches

Undercut Diameter:

0.6910 inches

Undercut Width:

0.0620 inches

Shaft Diameter:

0.1200 inches single shaft

Shaft Length:

0.3350 inches single shaft

Err Default:

Err default

Fragility Factor:

Moderately rugged

Body Size:

8

Stator Input Voltage Rating In Volts:

10.0

Frequency In Hertz:

400.0

Zso Resistance In Ohms:

615.00

Zrs Resistance In Ohms:

995.00

Transformation Ratio Equality In Percent:

0.001

Compensation Method:

Resistor compensated and winding compensated

Compensator Dc Resistance In Ohms:

200000.00

Compensator Transformation Ratio In Percent:

2.002 rotor to compensator

Maximum Fundamental Null Voltage In Millivolts Per Volt:

20.00 input

Maximum Total Null Voltage Output In Millivolts Per Volt:

24.00

Interaxis Error Angular Range In Minutes:

-5.0/+5.0

Output Voltage Functional Error Range In Percent:

-0.1/+0.1

Actuator Friction Torque At Minus 55 Deg Celsius:

9.0 centimeter-grams

Actuator Friction Torque At Plus 25 Deg Celsius:

5.0 centimeter-grams

Shaft Radial Play Test Point:

0.125 inches

Shaft Maximum Radial Play:

0.0008 inches

Shaft End Play:

Between 0.0005 inches and 0.0015 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 e and connection s3 position g and connection s4 position f and connection c1 position m and connection c2 position j and connection c3 position l and connection c4 position k

Pilot Length:

0.0400 inches

Mounting Surface To Terminal End Distance:

1.2400 inches

Shaft Maximum Runout:

0.0010 inches

Terminal Location:

Rear

Shaft Slot Depth:

0.0300 inches single shaft

Plus J Zso Reactance In Ohms:

1930.00

Shaft Slot Width:

0.0250 inches single shaft

Plus J Zrs Reactance In Ohms:

350.00

Shaft Type:

Round, slotted, undercut single shaft

Transformation Ratio:

0.980 rotor to stator

Shaft Tip Length:

0.0850 inches single shaft

Shaft Undercut Diameter:

Shaft Radial Play Determining Weight:

4.0 ounces

Shaft End Play Determining Weight:

8.0 ounces

Terminal Type And Quantity:

9 wire lead

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

No

Fiig:

A07800