

View Online at <https://aerobasegroup.com/nsn/5990-00-542-3775>

Body Material:

Steel, corrosion resisting

Body Style:

Standard round, rotatable housing

Shoulder Diameter:

Between 1.9900 inches and 1.9930 inches

Overall Length:

4.9010 inches

Flange Diameter:

Between 2.2495 inches and 2.2500 inches

Flange Thickness:

Between 0.2470 inches and 0.2530 inches

Body Diameter:

1.9060 inches

Shaft Diameter:

0.2470 inches single shaft

Shaft Length:

0.7190 inches single shaft

Schematic Diagram Designator:

2 rotor, 2 stator

Body Size:

23

Stator Input Voltage Rating In Volts:

20.0

Rotor Input Voltage Rating In Volts:

20.0

Frequency In Hertz:

400.0

Zro Resistance In Ohms:

110.00

Zso Resistance In Ohms:

22.00

Zrs Resistance In Ohms:

123.00

Rotor Dc Resistance In Ohms:

120.00

Stator Dc Resistance In Ohms:

130.00

Phase Shift Angle In Deg:

Between 0.800 input to output and 1.600 input to output

Maximum Fundamental Null Voltage In Millivolts Per Volt:

30.00 input

Maximum Total Null Voltage Output In Millivolts Per Volt:

70.00

Electrical Error Angular Range In Minutes:

-7.0/+7.0

Spline Tooth Quantity:

106 single shaft

Actuator Friction Torque At Minus 55 Deg Celsius:

5.00 inch-ounces

Actuator Friction Torque At Plus 25 Deg Celsius:

1.00 inch-ounces

Shoulder Length:

0.4100 inches

Mounting Surface To Terminal End Distance:

3.4630 inches

Spline Tooth Diametral Pitch:

48 single shaft

Shaft Thread Series Designator:

Unf single shaft

Shaft Thread Direction:

Right-hand single shaft

Shaft Thread Class:

2a single shaft

Terminal Location:

Rear

Shaft Thread Length:

0.3250 inches single shaft

Plus J Zro Reactance In Ohms:

520.00

Plus J Zso Reactance In Ohms:

123.00

Plus J Zrs Reactance In Ohms:

53.00

Shaft Type:

Spline w/threads single shaft

Transformation Ratio:

1.000 rotor to stator

Shaft Thread Size:

0.190 inches single shaft

Test Data Document:

03538-7753719+1 drawing (this is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard or other document that may be referenced in a basic governing drawing)

Terminal Type And Quantity:

8 screw

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

No

Fig:

A07800