

View Online at <https://aerobasegroup.com/nsn/5990-00-145-1187>

Body Material:

Aluminum

Body Style:

Standard round d

Shoulder Diameter:

Between 1.9850 inches and 1.9900 inches

Pilot Diameter:

Between 0.5900 inches and 0.6000 inches

Second Shoulder Diameter:

Between 1.9985 inches and 1.9995 inches

Second Shoulder Length:

0.1700 inches

Overall Length:

Between 4.4930 inches and 4.5440 inches

Flange Diameter:

Between 2.2490 inches and 2.2500 inches

Flange Thickness:

Between 0.2480 inches and 0.2500 inches

Body Diameter:

Between 1.9850 inches and 1.9900 inches

Shaft Diameter:

0.2402 inches single shaft and 0.2405 inches single shaft

Shaft Length:

0.6930 inches single shaft and 0.7190 inches single shaft

Maximum Temperature Rise:

65.0 degrees celsius

Body Size:

23

Rotor Input Voltage Rating In Volts:

Between 20.0 and 90.0

Frequency In Hertz:

60.0

Rotor Input Current Rating:

170.0 milliamperes

Rotor Input Electrical Power Rating:

8.0 watts

Rotor Dc Resistance In Ohms:

250.00

Stator Dc Resistance In Ohms:

280.00

Transformation Ratio Equality In Percent:

0.5

Phase Shift Angle In Deg:

28.800 input to output

Maximum Fundamental Null Voltage In Millivolts Per Volt:

0.53 input

Maximum Total Null Voltage Output In Millivolts Per Volt:

1.06

Interaxis Error Angular Range In Minutes:

-5.0/+5.0

Output Voltage Functional Error Range In Percent:

-0.2/+0.2

Actuator Friction Torque At Minus 55 Deg Celsius:

0.80 inch-ounces

Actuator Friction Torque At Plus 25 Deg Celsius:

0.40 inch-ounces

Pilot Length:

0.0460 inches

Shoulder Length:

0.2520 inches

Aft Of First Flange Diameter:

Between 1.9985 inches and 1.9995 inches

Mounting Surface To Terminal End Distance:

Between 3.4300 inches and 3.4450 inches

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:

0.3100 inches single shaft

Shaft Type:

Round, threaded single shaft

Transformation Ratio:

1.000 stator to rotor

Shaft Thread Size:

0.250 inches single shaft

Test Data Document:

81349-mil-r-14346 specification (includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical", "average", "", etc.).

Terminal Type And Quantity:

7 screw

Shelf Life:

Nil

Unit Of Measure:

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Demilitarization:

No

Fig:

A07800