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**Body Material:**

Steel, corrosion resisting

**Body Style:**

Standard round a

**Pilot Diameter:**

Between 0.4995 inches and 0.5000 inches

**Overall Length:**

1.6050 inches

**Flange Diameter:**

Between 0.7470 inches and 0.7500 inches

**Flange Thickness:**

0.0620 inches

**Undercut Diameter:**

0.6920 inches

**Undercut Width:**

0.0620 inches

**Shaft Diameter:**

0.0895 inches single shaft and 0.0900 inches single shaft

**Shaft Length:**

0.3650 inches single shaft

**Fragility Factor:**

Moderately rugged

**End Application:**

T-37 support equipment; t-38 support equipment; aircraft, viking s-3b; prowler ea-6b aircraft; p-3 orion; avionics shop test system; customer focus pool; air traffic control

**Maximum Temperature Rise:**

20.0 degrees celsius

**Body Size:**

8

**Rotor Input Voltage Rating In Volts:**

26.0

**Frequency In Hertz:**

400.0

**Rotor Input Current Rating:**

153.0 milliamperes

**Rotor Input Electrical Power Rating:**

700.0 milliwatts

**Zro Impedance Magnitude In Ohms:**

Between 170.00 and 215.00

**Zro Impedance Angle In Deg:**

Between 77.50 and 80.50

**Zss Impedance Magnitude In Ohms:**

Between 11.00 and 15.00

**Zss Impedance Angle In Deg:**

Between 9.00 and 15.00

**Phase Shift Angle In Deg:**

8.500 input to output

**Maximum Fundamental Null Voltage In Millivolts Per Volt:**

20.00 output

**Maximum Total Null Voltage Output In Millivolts Per Volt:**

30.00

**Electrical Error Angular Range In Minutes:**

-7.0/+7.0

**Actuator Friction Torque At Plus 25 Deg Celsius:**

0.04 inch-ounces

**Pilot Length:**

0.0400 inches

**Mounting Surface To Terminal End Distance:**

1.2400 inches

**Terminal Location:**

Rear

**Shaft Slot Depth:**

0.0250 inches single shaft

**Shaft Slot Width:**

0.0200 inches single shaft

**Shaft Type:**

Round, slotted single shaft

**Criticality Code Justification:**

Feat

**Transformation Ratio:**

0.454 rotor to stator

**Special Features:**

Weapon system essential

**Test Data Document:**

81349-mil-s-20708 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:**

5 wire lead

**Specification Data:**

81349-mil-s-20708/78 government specification

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli

**Fig:**

1-07000