

View Online at <https://aerobasegroup.com/nsn/5990-00-110-9441>

**Body Material:**

Steel, stainless

**Body Style:**

Standard round c

**Shoulder Diameter:**

Between 0.8118 inches and 0.8123 inches

**Pilot Diameter:**

Between 0.4995 inches and 0.5000 inches

**Overall Length:**

Between 1.5460 inches and 1.5760 inches

**Flange Diameter:**

Between 0.9360 inches and 0.9380 inches

**Flange Thickness:**

0.0620 inches

**Undercut Diameter:**

0.8400 inches

**Undercut Width:**

0.0620 inches

**Shaft Diameter:**

0.0895 inches and 0.0900 inches single shaft

**Shaft Length:**

0.3060 inches and 0.3360 inches single shaft

**Fragility Factor:**

Moderately rugged

**Maximum Temperature Rise:**

20.0 degrees celsius

**Body Size:**

10

**Rotor Input Voltage Rating In Volts:**

26.0

**Frequency In Hertz:**

400.0

**Rotor Input Current Rating:**

142.0 milliamperes

**Rotor Input Electrical Power Rating:**

620.0 milliwatts

**Zss Impedance Magnitude In Ohms:**

11.00

**Zss Impedance Angle In Deg:**

15.000

**Zso-9 Designator Impedance Magnitude In Ohms:**

15.00

**Phase Shift Angle In Deg:**

7.500 input to output

**Electrical Error Angular Range In Minutes:**

-60.0 to 60.0

**Receiver Error Angular Range In Minutes:**

-60.0/+60.0

**Actuator Friction Torque At Minus 55 Deg Celsius:**

2200.0 millimeter-milligrams

**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

**Shaft Slot Depth:**

0.0250 inches single shaft

**Shaft Slot Width:**

0.0200 inches and 0.0250 inches single shaft

**Shaft Type:**

Round, slotted single shaft

**Alignment Hole Depth:**

0.0625 inches

**Transformation Ratio:**

0.454 rotor to stator

**Alignment Hole Bolt Circle Diameter:**

Between 0.6750 inches and 0.6810 inches

**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-20708/50 government specification

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli

**Fig:**

1-67500