

View Online at <https://aerobasegroup.com/nsn/5990-01-087-6466>

Body Material:

Any acceptable

Body Style:

Standard round c

Shoulder Diameter:

0.9800 inches

Pilot Diameter:

Between 0.6245 inches and 0.6250 inches

Overall Length:

2.0550 inches

Flange Diameter:

Between 1.0610 inches and 1.0620 inches

Flange Thickness:

0.0930 inches

Undercut Diameter:

Between 0.9995 inches and 1.0000 inches

Undercut Width:

0.0450 inches

Shaft Diameter:

0.1195 inches single shaft and 0.1200 inches single shaft

Shaft Length:

0.3600 inches single shaft and 0.3900 inches single shaft

Schematic Diagram Designator:

Err-090

Fragility Factor:

Moderately rugged

Maximum Temperature Rise:

125.0 degrees celsius

Body Size:

11

Rotor Input Voltage Rating In Volts:

Between 0.5 and 57.5

Frequency In Hertz:

1600.0

Rotor Input Current Rating:

33.8 milliamperes

Zro Resistance In Ohms:

405.00

Zso Resistance In Ohms:

112.00

Zss Resistance In Ohms:

30.50

Transformation Ratio Equality In Percent:

0.5

Maximum Fundamental Null Voltage In Millivolts Per Volt:

80.00 input

Actuator Friction Torque At Minus 55 Deg Celsius:

16.0 centimeter-grams

Actuator Friction Torque At Plus 25 Deg Celsius:

4.0 centimeter-grams

Shaft Radial Play Test Point:

0.120 inches

Shaft Maximum Radial Play:

0.0008 inches

Shaft End Play:

Between 0.0003 inches and 0.0015 inches

Pilot Length:

Between 0.0590 inches and 0.0650 inches

Shoulder Length:

Between 0.0590 inches and 0.0650 inches

Mounting Surface To Terminal End Distance:

1.6000 inches

Terminal Location:

Rear

Plus J Zro Reactance In Ohms:

1852.00

Shaft Slot Depth:

0.0220 inches single shaft and 0.0320 inches single shaft

Plus J Zso Reactance In Ohms:

460.00

Shaft Slot Width:

0.0220 inches single shaft and 0.0320 inches single shaft

Shaft Type:

Round, slotted single shaft

Plus J Zss Reactance In Ohms:

4.50

Transformation Ratio:

0.488 rotor to stator

Shaft Radial Play Determining Weight:

4.0 ounces

Shaft End Play Determining Weight:

8.0 ounces

Terminal Type And Quantity:

8 wire lead

Shelf Life:

N/a

Unit Of Measure:

--

Demilitarization:

No

Fig:

A07800