

View Online at <https://aerobasegroup.com/nsn/5990-01-017-8280>

Body Material:

Any acceptable

Body Style:

Standard round b

Shoulder Diameter:

Between 1.3115 inches and 1.3120 inches

Pilot Diameter:

Between 0.8745 inches and 0.8750 inches

Overall Length:

2.9356 inches

Flange Diameter:

Between 1.4320 inches and 1.4370 inches

Flange Thickness:

0.0930 inches

Undercut Width:

0.0780 inches

Shaft Diameter:

0.1870 inches single shaft and 0.1872 inches single shaft

Shaft Length:

0.5400 inches single shaft

Connector Manufacturer Code:

05209

Connector Manufacturer Part Number:

5704

Maximum Temperature Rise:

20.0 degrees celsius

Body Size:

2

Rotor Input Voltage Rating In Volts:

115.0

Frequency In Hertz:

400.0

Rotor Input Current Rating:

85.0 milliamperes

Rotor Input Electrical Power Rating:

1.0 watts

Zro Resistance In Ohms:

Between 1402.00 and 1643.00

Zro Impedance Angle In Deg:

Between 81.40 and 84.60

Zss Impedance Magnitude In Ohms:

Between 123.00 and 138.00

Zss Impedance Angle In Deg:

Between 26.50 and 31.50

Phase Shift Angle In Deg:

Between 4.000 input to output and 5.500 input to output

Maximum Fundamental Null Voltage In Millivolts Per Volt:

32.00 output

Maximum Total Null Voltage Output In Millivolts Per Volt:

60.00

Electrical Error Angular Range In Minutes:

-6.0/+6.0

Spline Tooth Quantity:

21 single shaft

Actuator Friction Torque At Plus 25 Deg Celsius:

0.05 inch-ounces

Alignment Hole Quantity:

4

Pilot Length:

0.0400 inches

Shoulder Length:

0.1320 inches

Mounting Surface To Terminal End Distance:

2.2686 inches

Spline Tooth Diametral Pitch:

120 single shaft

Shaft Thread Series Designator:

Unf single shaft

Shaft Thread Class:

2a single shaft

Terminal Location:

Rear

Shaft Thread Length:

0.2320 inches single shaft

Shaft Type:

Spline w/threads single shaft

Alignment Hole Depth:

0.1250 inches

Transformation Ratio:

Between 0.783 rotor to stator and 2.785 rotor to stator

Alignment Hole Bolt Circle Diameter:

1.1000 inches

Shaft Thread Size:

0.190 inches single shaft

Terminal Type And Quantity:

1 wire lead

Shelf Life:

N/a

Unit Of Measure:

--

Demilitarization:

No

Fiig:

A07800