

View Online at <https://aerobasegroup.com/nsn/5990-01-334-4111>

Body Material:

Any acceptable

Body Style:

Standard round a

Pilot Diameter:

Between 0.4995 inches and 0.5000 inches

Overall Length:

1.6550 inches

Flange Diameter:

Between 0.7450 inches and 0.7500 inches

Flange Thickness:

Between 0.0590 inches and 0.0650 inches

Undercut Diameter:

0.6910 inches

Undercut Width:

Between 0.0590 inches and 0.0650 inches

Shaft Diameter:

0.1195 inches single shaft and 0.1200 inches single shaft

Shaft Length:

0.4000 inches single shaft and 0.4300 inches single shaft

Schematic Diagram Designator:

Err-090

Fragility Factor:

Moderately rugged

Maximum Temperature Rise:

125.0 degrees celsius

Body Size:

8

Stator Input Voltage Rating In Volts:

26.0

Stator Input Current Rating:

19.4 milliamperes

Stator Input Electrical Power Rating:

0.12 watts

Frequency In Hertz:

400.0

Zro Resistance In Ohms:

215.00

Zso Resistance In Ohms:

248.00

Rotor Dc Resistance In Ohms:

300.00

Stator Dc Resistance In Ohms:

290.00

Phase Shift Angle In Deg:

8.500 input to output

Maximum Fundamental Null Voltage In Millivolts Per Volt:

20.00 output

Shaft Radial Play Test Point:

0.001 inches

Pilot Length:

0.0370 mils and 0.0460 centimeters

Mounting Surface To Terminal End Distance:

1.2400 inches

Terminal Location:

Rear

Plus J Zro Reactance In Ohms:

1282.00

Shaft Slot Depth:

0.0250 inches single shaft

Plus J Zso Reactance In Ohms:

785.00

Shaft Slot Width:

0.0200 inches single shaft

Shaft Type:

Round, slotted single shaft

Transformation Ratio:

0.6654 stator to rotor

Shaft Radial Play Determining Weight:

4.0 ounces

Shaft End Play Determining Weight:

8.0 ounces

Functional Description:

Synchro potentiometer

Terminal Type And Quantity:

4 wire lead

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

No

Fiig:

A07800