## NSN 5990-00-878-1909

Electrical Resolver - Page 1 of 2



View Online at https://aerobasegroup.com/nsn/5990-00-878-1909

**Body Material:** 

Any acceptable

**Body Style:** 

Standard round a

**Pilot Diameter:** 

Between 0.4995 inches and 0.5000 inches

**Overall Length:** 

Between 1.6070 inches and 1.6450 inches

Flange Diameter:

Between 0.7470 inches and 0.7500 inches

Flange Thickness:

Between 0.0590 inches and 0.0650 inches

**Undercut Diameter:** 

Between 0.6880 inches and 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:** 

0.3180 inches single shaft and 0.3860 inches single shaft

Fragility Factor:

Moderately rugged

Body Size:

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**Rotor Input Voltage Rating In Volts:** 

Between 0.5 and 16.5

Frequency In Hertz:

400.0

**Zro Resistance In Ohms:** 

Between 522.75 and 707.25

**Zso Resistance In Ohms:** 

Between 85.00 and 115.00

**Zrs Resistance In Ohms:** 

Between 697.00 and 943.00

Phase Shift Angle In Deg:

Between 19.500 input to output and 22.500 input to output

Maximum Fundamental Null Voltage In Millivolts Per Volt:

20.00 output

Maximum Total Null Voltage Output In Millivolts Per Volt:

25.00

**Interaxis Error Angular Range In Minutes:** 

-15.0/+15.0

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Electrical Error Angular Range In Minutes:
-14.0/+14.0
Pilot Length:
Between 0.0370 inches and 0.0430 inches
Mounting Surface To Terminal End Distance:
1.2900 inches
Terminal Location:
Rear
Plus J Zro Reactance In Ohms:
Between 1232.50 and 1667.50
Shaft Slot Depth:
0.0270 inches single shaft and 0.0320 inches single shaft
Plus J Zso Reactance In Ohms:
Between 246.45 and 333.55
Shaft Slot Width:
0.0270 inches single shaft and 0.0320 inches single shaft
Plus J Zrs Reactance In Ohms:
Between 161.50 and 218.50
Shaft Type:
Round, slotted single shaft
Transformation Ratio:
Between 0.400 rotor to stator and 0.416 rotor to stator
Terminal Type And Quantity:
7 wire lead
Shelf Life:
N/a
Unit Of Measure:
Demilitarization:
No
Fiig:
A07800