NSN 5990-00-421-0953

Electrical Resolver - Page 1 of 2



Electrical Nessolver 1 age 1 of 2
View Online at https://aerobasegroup.com/nsn/5990-00-421-0953
Body Material:
Steel, stainless
Body Style:
Standard round c
Shoulder Diameter:
Between 0.9995 inches and 1.0000 inches
Pilot Diameter:
Between 0.6245 inches and 0.6250 inches
Overall Length:
Between 2.4110 inches and 2.4150 inches
Flange Diameter:
Between 1.0570 inches and 1.0650 inches
Flange Thickness:
0.0930 inches
Undercut Diameter:
0.9750 inches
Undercut Width:
0.0500 inches
Shaft Diameter:
0.1870 inches single shaft and 0.1872 inches single shaft
Shaft Length:
0.5550 inches single shaft
Fragility Factor:
Moderately rugged
Body Size:
11
Rotor Input Voltage Rating In Volts:
115.0
Frequency In Hertz:
400.0
Rotor Input Current Rating:
145.0 milliamperes
Rotor Input Electrical Power Rating:
760.0 milliwatts
Zro Impedance Magnitude In Ohms:
179.00
Zro Impedance Angle In Deg:

78.00

Rotor Dc Resistance In Ohms:

21.00

Stator Dc Resistance In Ohms:

4.20

NSN 5990-00-421-0953 Electrical Resolver - Page 2 of 2



Phase Shift Angle In Deg:
7.000 input to output
Maximum Total Null Voltage Output In Millivolts Per Volt:
20.00
Electrical Error Angular Range In Minutes:
-3.0/+3.0
Alignment Hole Quantity:
4
Pilot Length:
0.0620 inches
Shoulder Length:
0.0620 inches
Mounting Surface To Terminal End Distance:
1.7890 inches
Terminal Location:
Rear
Shaft Slot Depth:
0.0210 inches single shaft and 0.0310 inches single shaft
Shaft Slot Width:
0.0200 inches single shaft and 0.0300 inches single shaft
Shaft Type:
Round, slotted single shaft
Alignment Hole Depth:
0.1250 inches
Transformation Ratio:
0.454 rotor to stator
Alignment Hole Bolt Circle Diameter:
0.8120 inches
Terminal Type And Quantity:
7 screw
Shelf Life:
N/a
Unit Of Measure:
Demilitarization:
No
Fiig:
A07800