NSN 5990-00-070-8652

Control Transformer Synchro - Page 1 of 2



| View Online at https://aerobasegroup.com/nsn/5990-00-070-868 |
|--|
| Body Material: |
| Steel, corrosion resisting |
| Body Style: |
| Standard round a |
| Pilot Diameter: |
| Between 0.4995 inches and 0.5000 inches |
| Overall Length: |
| 1.6300 inches |
| Flange Diameter: |
| Between 0.7470 inches and 0.7500 inches |
| Flange Thickness: |
| 0.0620 inches |
| Undercut Diameter: |
| Between 0.6880 inches and 0.6910 inches |
| Undercut Width: |
| 0.0620 inches |
| Shaft Diameter: |
| 0.0895 inches single shaft and 0.0900 inches single shaft |
| Shaft Length: |
| 0.3660 inches single shaft and 0.3900 inches single shaft |
| Body Size: |
| 8 |
| Stator Input Voltage Rating In Volts: |
| 11.8 |
| Stator Input Current Rating: |
| 40.0 milliamperes |
| Stator Input Electrical Power Rating: |
| 225.0 milliwatts |
| Frequency In Hertz: |
| 400.0 |
| Zro Resistance In Ohms: |
| 720.00 |
| Zso Resistance In Ohms: |
| 145.00 |
| Rotor Dc Resistance In Ohms: |
| 400.00 |
| Stator Dc Resistance In Ohms: |
| 122.00 |
| Maximum Total Null Voltage Output In Millivolts Per Volt: |
| 30.00 |
| |

-7.0 to 7.0

Electrical Error Angular Range In Minutes:

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| Actuator Friction Torque At Minus 55 Deg Celsius: |
|---|
| 9.00 centimeter-grams |
| Actuator Friction Torque At Plus 25 Deg Celsius: |
| 3.00 centimeter-grams |
| Pilot Length: |
| Between 0.0380 inches and 0.0430 inches |
| Mounting Surface To Terminal End Distance: |
| 1.2400 inches |
| Terminal Location: |
| Rear |
| Plus J Zro Reactance In Ohms: |
| 3550.00 |
| Shaft Slot Depth: |
| 0.0300 inches single shaft |
| Plus J Zso Reactance In Ohms: |
| 640.00 |
| Shaft Slot Width: |
| 0.0250 inches single shaft |
| Shaft Type: |
| Round, slotted single shaft |
| Transformation Ratio: |
| 2.203 rotor to stator |
| Terminal Type And Quantity: |
| 5 wire lead |
| Shelf Life: |
| N/a |
| Unit Of Measure: |
| |
| Demilitarization: |
| Yes - demil/mli |
| Fiig: |

A07800