NSN 5990-00-702-1990

Differential Transmitter Synchro - Page 1 of 2



View Online at https://aerobasegroup.com/nsn/5990-00-702-1990

Body Style:

Standard round, rotatable housing

Shoulder Diameter:

Between 2.6999 inches and 2.7000 inches

Overall Length:

4.6550 inches

Flange Diameter:

Between 3.0990 inches and 3.1000 inches

Flange Thickness:

Between 0.2450 inches and 2.2550 inches

Body Diameter:

Between 2.7490 inches and 2.7500 inches

Shaft Diameter:

0.2405 inches single shaft

Shaft Length:

0.7200 inches single shaft and 0.7400 inches single shaft

Schematic Diagram Designator:

1 y-rotor, 1 y-stator

Body Size:

28

Stator Input Voltage Rating In Volts:

90.0

Stator Input Current Rating:

748.0 milliamperes

Stator Input Electrical Power Rating:

7.7 watts

Frequency In Hertz:

60.0

Zrs Resistance In Ohms:

44.00

Rotor Dc Resistance In Ohms:

24.00

Stator Dc Resistance In Ohms:

19.00

Phase Shift Angle In Deg:

6.500 input to output

Spline Tooth Quantity:

22 single shaft

Actuator Friction Torque At Plus 25 Deg Celsius:

0.50 inch-ounces

Torque Gradient Per Angular Deg:

0.300 inch-ounces

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| Shaft Maximum Radial Play: |
|---|
| 0.0008 inches |
| Shaft End Play: |
| Between 0.0010 inches and 0.0050 inches |
| Shoulder Length: |
| Between 1.0150 inches and 1.0250 inches |
| Mounting Surface To Terminal End Distance: |
| 3.3850 inches |
| Spline Tooth Diametral Pitch: |
| 96 single shaft |
| Terminal Location: |
| Rear |
| Shaft Thread Length: |
| 0.6900 inches single shaft and 0.7100 inches single shaft |
| Shaft Type: |
| Spline single shaft |
| Transformation Ratio: |
| 1.154 rotor to stator |
| Terminal Type And Quantity: |
| 6 screw |
| Specification Or Standard: |
| 31tdx68 type |
| Shelf Life: |
| N/a |
| Unit Of Measure: |
| |
| Demilitarization: |
| Yes - demil/mli |
| Fiig: |
| A07800 |
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