

NSN 5990-00-814-1699 Transmitter Synchro - Page 1 of 2	AeroBase Group
View Online at https://aerobasegroup.com/nsn/5990-00-814-1699	
Body Material:	
Any acceptable	
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:	
1.9750 inches	
Flange Diameter:	
Between 1.0610 inches and 1.0620 inches	

Flange Thickness:

0.0930 inches

Undercut Diameter:

0.9750 inches

Undercut Width:

0.0500 inches

Shaft Diameter:

0.1195 inches single shaft and 0.1200 inches single shaft

Shaft Length:

0.3750 inches single shaft

Maximum Tempurature Rise:

20.0 degrees celsius

Body Size:

11

Rotor Input Voltage Rating In Volts:

26.0

Frequency In Hertz:

400.0

Rotor Input Current Rating:

Between 240.0 milliamperes and 264.0 milliamperes

Rotor Input Electrical Power Rating:

Between 736.0 milliwatts and 1100.0 milliwatts

Zro Resistance In Ohms:

Between 13.60 and 18.40

Zso Resistance In Ohms:

Between 3.14 and 4.26

Zrs Resistance In Ohms:

Between 18.70 and 25.30

Rotor Dc Resistance In Ohms:

Between 7.65 and 9.35

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Stator Dc Resistance In Ohms:
Between 2.70 and 3.30
Maximum Fundamental Null Voltage In Millivolts Per Volt:
22.00 output
Maximum Total Null Voltage Output In Millivolts Per Volt:
30.00
Electrical Error Angular Range In Minutes:
-15.0/+15.0
Actuator Friction Torque At Minus 55 Deg Celsius:
6.0 centimeter-grams
Actuator Friction Torque At Plus 25 Deg Celsius:
3.0 centimeter-grams
Pilot Length:
0.0620 inches
Shoulder Length:
0.0620 inches
Mounting Surface To Terminal End Distance:
1.6000 inches
Terminal Location:
Rear
Plus J Zro Reactance In Ohms:
Between 96.30 and 117.70
Shaft Slot Depth:
0.0220 inches single shaft and 0.0320 inches single shaft
Plus J Zso Reactance In Ohms:
Between 16.29 and 19.91
Shaft Slot Width:
0.0220 inches single shaft and 0.0320 inches single shaft
Plus J Zrs Reactance In Ohms:
Between 7.56 and 10.24
Shaft Type:
Round, slotted single shaft
Terminal Type And Quantity:
5 wire lead
Shelf Life:
N/a
Unit Of Measure:
Demilitarization:
No
Fiig:
A07800