NSN 5990-00-942-6539

Transmitter Synchro - Page 1 of 3



View Online at https://aerobasegroup.com/nsn/5990-00-942-6539

view Online at https://aerobasegroup.com/hsn/5990-00-942-053
Body Material:
Steel, corrosion resisting
Body Style:
Standard round b
Shoulder Diameter:
1.3120 inches
Pilot Diameter:
0.8750 inches
Overall Length:
2.3120 inches
Flange Diameter:
1.4370 inches
Flange Thickness:
0.0930 inches
Undercut Width:
0.0780 inches
Shaft Diameter:
0.1872 inches single shaft
Shaft Length:
0.5550 inches single shaft
Fragility Factor:
Moderately rugged
Body Size:
15
Rotor Input Voltage Rating In Volts:
115.0
Frequency In Hertz:
400.0
Rotor Input Current Rating:
Between 60.0 milliamperes and 85.0 milliamperes
Rotor Input Electrical Power Rating:
Between 780.0 milliwatts and 1200.0 milliwatts
Zro Resistance In Ohms:
170.00
Zso Resistance In Ohms:
106.00
Phase Shift Angle In Deg:
4.000 input to output
Maximum Fundamental Null Voltage In Millivolts Per Volt:
40.00 output

Maximum Total Null Voltage Output In Millivolts Per Volt:

90.00



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Electrical Error Angular Range In Minutes:	
-6.0/+6.0	
Spline Tooth Quantity:	
21 single shaft	
Actuator Friction Torque At Plus 25 Deg Celsius:	
0.05 inch-ounces	
Shaft Radial Play Test Point:	
0.125 inches	
Shaft Maximum Radial Play:	
0.0004 inches	
Shaft End Play:	
0.0013 inches	
Pilot Length:	
0.0400 inches	
Shoulder Length:	
0.1320 inches	
Mounting Surface To Terminal End Distance:	
1.7720 inches	
Spline Tooth Diametral Pitch:	
120 single shaft	
Shaft Maximum Runout:	
0.0008 inches	
Shaft Thread Series Designator:	
Unf single shaft	
Shaft Thread Direction:	
Right-hand single shaft	
Shaft Thread Class:	
2a single shaft	

Terminal Location:

Shaft Thread Length: 0.2000 inches single shaft

Plus J Zro Reactance In Ohms:

Plus J Zso Reactance In Ohms:

Spline w/threads single shaft
Transformation Ratio:
0.783 rotor to stator
Shaft Thread Size:
0.190 inches single shaft

Shaft Radial Play Determining Weight:

Rear

1480.00

744.00

Shaft Type:

5.0 ounces

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Shaft End Play Determining Weight:
5.0 ounces
Terminal Type And Quantity:
5 tab w/screw
Shelf Life:
N/a
Unit Of Measure:
Demilitarization:
No

Fiig: A07800