SAE Aerospace
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AEROSPACE STANDARD

SAE AS20708/20 | REV. A

Issued 1999-07
Revised 2011-05

Superseding AS20708/20

(R) Synchro, Control Transmitter, Type 15CX6C

FSC 5990

RATIONALE

This Revision consists of a 5 (five) year review, which provides updates to current format and references

NOTICE

This specification is approved for use by all Departments and Agencies of the Department of Defense. The requirements for acquiring the Synchros described herein shall consist of this specification and the latest issue of SAE AS20708.

TABLE 1 – REQUIREMENTS

REQUIREMENT	VALUE	UNIT	TOLERANCE
Frequency	60	Hz	± 1 %
Primary Voltage	115	Volts	± 1 %
Primary Current	22.0	Milliamps	Maximum
Primary Power	0.43	Watts	Maximum
Impedance:			
Zro	5335 – 6265	Ohms	Min. – Max.
Zss	675 – 825	Ohms	Min. – Max.
Impedance Angle:			
Zro	80.0 - 83.0	Degrees	Min. – Max.
Zss	11.0 - 16.0	Degrees	Min. – Max.
Transformation Ratio	0.783	- - - - - -	± 2 %
Phase Shift (Lead)	7.0	Degrees	± 1.5
Electrical Error	6.0	Minutes	Maximum
Null Voltage:			
Total	90.0	Millivolts	Maximum
Fundamental	45.0	Millivolts	Maximum
Friction Torque	0.05	Ounce – Inches	Maximum
Radial Play	0.0006	Inches	Maximum
End Play	0.0010	Inches	± 0.0005
Temperature Rise	20.0	Degrees - C	Maximum

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