

Synchro, Control Transformer, Type 15CT6D

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 AS20708.

TABLE 1 – REQUIREMENTS

REQUIREMENT	VALUE	UNIT	TOLERANCE
Frequency	60	Hz	± 1 %
Primary Voltage	78	Volts	± 1 %
Primary Current	13.0	Milliamps	Maximum
Primary Power	0.25	Watts	Maximum
Impedance:			
Zso	6000 – 7500	Ohms	Min. – Max.
Zrs	1300 – 1650	Ohms	Min. – Max.
Impedance Angle:			
Zso	78.0 - 82.0	Degrees	Min. – Max.
Zrs	13.0 - 18.0	Degrees	Min. – Max.
Transformation Ratio	0.735	-----	± 2 %
Phase Shift (Lead)	9.0	Degrees	± 2.0
Electrical Error	6.0	Minutes	Maximum
Null Voltage:			
Total	65.0	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	10.0	Degrees - C	Maximum

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