

Synchro, Torque Transmitter, Type 26V-11TX4C

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	400	Hz	± 1 %
Primary Voltage	26	Volts	± 1 %
Primary Current	280.0	Milliamps	Maximum
Primary Power	1.0	Watts	Maximum
Impedance:			
Zss	3.3 – 4.2	Ohms	Min. – Max.
Impedance Angle:			
Zss	17.0 - 24.0	Degrees	Min. – Max.
Transformation Ratio	0.454	-----	± 2 %
Phase Shift (Lead)	4.0	Degrees	± 1.0
Electrical Error	7.0	Minutes	Maximum
Torque Gradient	0.0080	Ounce – Inches Per Degree	Minimum
Null Voltage			
Total	-----	Millivolts	Maximum
Fundamental	-----	Millivolts	Maximum
Radial Play	0.0006	Inches	Maximum
End Play	0.0010	Inches	± 0.0005
Temperature Rise	20.0	Degrees – C	Maximum
Friction Torque	0.07	Ounce – Inches	Maximum
Variation of Voltage (+10%) and Freq. (-5%)	1.4	Watts	Maximum

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