

AEROSPACE STANDARD

SAE, AS20708/4

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Synchro, Torque Transmitter, Type 11TX4C

FSC 5990

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FAX: (724) 776-0243

FAX: (724) 776-0790

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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 MIL-S-20708.

TABLE I. Requirements.

Requirement	Value	Uniț	Tolerance
Frequency	400	Нz	±1%
Primary Valtage	115	volts	大130
Primary Current	60.0	milliamba	maximum
Primary Power	1.0	watts	maximum
Impedance:			D
Zss	180-250	ohms 📡 🕜	minmax.
Impedance Angle:		, O'	
Zss	22.0-28.0	degrees	minmax.
Transformation Ratio	0.783		±2%
Phase Shift (Lead)	β.Ω	degrees	maximum
Electrical Error	7.0	minutes	maximum
Torque Gradient	0.0080	ounce-inches	minimum
		⊘per degree	
Null Voltage:	, X		
Total		millivolts	maximum
Fundamental		millivolts	maximum
Radial Play	0.0006	inches	maximum
End Play	0.0010	inches	±0.0005
Temperature Rise	25.0	degrees (C)	maximum
Friction Torque	0.07	ounce-inches	maximum
Variation of Voltage		1	
(+10%) and Freq. (-5%)	1.45	watts	maximum
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