

Synchro, Control Transmitter, Type 26V-08CX4C

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.

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TABLE 1 – REQUIREMENTS

Requirement	Value	Unit	Tolerance
Frequency	400	Hz	±1%
Primary Voltage	26	volts	±1%
Primary Current	153.0	milliamps	maximum
Primary Power	0.84	watts	maximum
Impedance:			
Zro	170-215	ohms	min.-max.
Zss	11.0-15.0	ohms	min.-max.
Impedance Angle:			
Zro	77.5-80.5	degrees	min.-max.
Zss	9.0-15.0	degrees	min.-max.
Transformation Ratio	0.454	----	±2%
Phase Shift (Lead)	8.5	degrees	±1.5
Electrical Error	7.0	minutes	maximum
Null Voltage:			
Total	30.0	millivolts	maximum
Fundamental	20.0	millivolts	maximum
Friction Torque	0.04	ounce-inches	maximum
Radial Play	0.0004	inches	maximum
End Play	0.0007	inches	maximum
Temperature Rise	20.0	degrees (C)	maximum

TABLE 2 – MILITARY PART NUMBER VARIANT CHARACTERISTICS

Military Part No. ^{1/}	A ± .010	B ± .010	G Maximum	Shaft Style	Terminal End	U + .0000 - .0002
M20708/78-01C	.375	.312	1.240	Plain & Slotted	Wire Leads	.0900
M20708/78-02C	.550	.500	1.240	Plain & Slotted	Wire Leads	.0900

^{1/} Military part number M20708/78-01C shall be the NATO standard.

^{1/} The suffix letter following the numerical dash number corresponds to the latest modification letter in the type designation.