

Synchro, Control Transformer, Type 26V-08CT4C

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	10.2	volts	±1%
Primary Current	23.0	milliamps	maximum
Primary Power	0.053	watts	maximum
Impedance:			
Z _{so}	444-570	ohms	min.-max.
Z _{rs}	830-940	ohms	min.-max.
Impedance Angle:			
Z _{so}	76.0-81.0	degrees	min.-max.
Z _{rs}	16.0-20.0	degrees	min.-max.
Transformation Ratio	2.203	----	±2%
Phase Shift (Lead)	8.0	degrees	±1.5
Electrical Error	7.0	minutes	maximum
Null Voltage:			
Total	30.0	millivolts	maximum
Fundamental	25.0	millivolts	maximum
Friction Torque	0.04	ounce-inches	maximum
Radial Play	0.0004	inches	maximum
End Play	0.0007	inches	maximum
Temperature Rise	10.0	degrees (C)	maximum

TABLE 2 – MILITARY PART NUMBER VARIANT CHARACTERISTICS

Military Part No. <u>1</u> /	A ± .010	B ± .010	G Maximum	Shaft Style	Terminal End	U + .0000 - .0002
M20708/79-01C	.375	.312	1.240	Plain & Slotted	Wire Leads	.0900
M20708/79-02C	.550	.500	1.240	Plain & Slotted	Wire Leads	.0900

1/ Military Part number M20708/79-01C shall be the NATO standard.

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