



AEROSPACE STANDARD	AS20708™/79	REV. B
	Issued 1999-07 Revised 2011-07 Stabilized 2017-04 Superseding AS20708/79A	
Synchro, Control Transformer, Type 26V-08CT4C		FSC 5990

RATIONALE

This document has been determined to contain basic and stable technology which is not dynamic in nature.

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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:			
Zso	444-570	ohms	min.-max.
Zrs	830-940	ohms	min.-max.
Impedance Angle:			
Zso	76.0-81.0	degrees	min.-max.
Zrs	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.