

Synchro, Control Differential Transmitter, Type 18CDX4C

FSC 5990

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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	Unit	Tolerance
Frequency	400	Hz	±1%
Primary Voltage	78	volts	±1%
Primary Current	128.0	milliamps	maximum
Primary Power	1.1	watts	maximum
Impedance:			
Z _{so}	610-785	ohms	min.-max.
Z _{rs}	76-110	ohms	min.-max.
Impedance Angle:			
Z _{so}	83.0-86.5	degrees	min.-max.
Z _{rs}	40.0-55.0	degrees	min.-max.
Transformation Ratio	1.154	-----	±2%
Phase Shift (Lead)	2.0	degrees	±2.0
Electrical Error	6.0	minutes	maximum
Null Voltage:			
Total	75.0	millivolts	maximum
Fundamental	40.0	millivolts	maximum
Friction Torque	0.10	ounce-inches	maximum
Radial Play	0.0006	inches	maximum
End Play	0.0015	inches	±0.0010
Temperature Rise	20.0	degrees (C)	maximum